CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 17	Canandaigua, N. Y. ..... Adv. Oct. 12.	Oct. 12
Oct. 17	Memphis, Tenn. ..... Adv. Oct. 12.	Oct. 12
Oct. 17	Kinney, Minn.	Oct. 12
Oct. 19	Newark, N. J.	Sept. 7
Oct. 20	Morris, Minn.	Oct. 12
Oct. 21	Mayfield, N. Y. ..... Adv. Oct. 12.	Oct. 12
Oct. 24	Albuquerque, N. M. ..... Adv. Oct. 5 and 12.	Oct. 5
Nov. 1	Bay Saint Louis, Miss.	Oct. 5
Nov. 14	Newport, Ky.	Oct. 5

SEWERS

Oct. 16	State College, Pa.	Sept. 21
Oct. 16	Hackensack, N. J.	Sept. 28
Oct. 16	Ellsworth, Wis.	Oct. 5
Oct. 16	Carroll, Ia.	Oct. 12
Oct. 17	Salt Lake City, Utah	Sept. 28
Oct. 17	Laredo, Tex.	Oct. 5
Oct. 19	Brooklyn, N. Y.	Oct. 12
Oct. 20	Wash., D. C.	Oct. 5
Oct. 24	Albuquerque, N. M. ..... Adv. Oct. 5 and 12.	Oct. 5
Oct. 25	Hamilton, Ont.	Oct. 12
Oct. 30	Dover, N. J.	Oct. 5
Oct. 31	Indianapolis, Ind. ..... Adv. Oct. 12.	Oct. 12
Nov. 2	Tulsa, Okla. ..... Adv. Oct. 12.	Oct. 12
Dec. 12	New Orleans, La. ..... Adv. Oct 12.	Oct. 12

BRIDGES

Oct. 16	Sacramento, Cal.	Sept. 14
Oct. 16	Wallace, Idaho	Oct. 12
Oct. 17	Rock Mart, Ga.	Oct. 5
Oct. 17	Crystal Falls, Mich.	Oct. 5
Oct. 19	Chesterfield, S. C.	Sept. 21
Oct. 24	Dover, N. J. ..... Adv. Oct. 12.	Oct. 12
Oct. 25	North Carolina	Oct. 12
Oct. 27	Tennessee	Oct. 12
Oct. 30	Houston, Tex.	Oct. 5
Oct. 31	Sydney, Australia	Jan. 12
Jan. 23	Spokane, Wash.	Sept. 21
Sept. 1, 1923	Sydney, New South Wales, Australia	Aug. 3

DAMS

Oct. 18	Coleman, Tex.	Oct. 12

EXCAVATION, DRAINAGE IRRIGATION

Oct. 17	Ft. Dodge, Ia.	Oct. 12
Oct. 18	Carrollton, Ill.	Oct. 12
Oct. 23	Terre Haute, Ind. ..... Adv. Oct. 12.	Oct. 12
Oct. 23	Hershey, Neb.	Sept. 28
Oct. 27	Minneapolis, Minn.	Sept. 21

STREETS AND ROADS

Oct. 16	Coalmont, Tenn.	Sept. 28
Oct. 16	Dade City, Fla.	Sept. 28
Oct. 16	California	Sept. 28
Oct. 16	Syracuse, N. Y. ..... Adv. Oct. 5 and 12.	Oct. 5
Oct. 16	Perth Amboy, N. J.	Oct. 5
Oct. 16	Houston, Tex.	Oct. 5
Oct. 16	Titusville, Fla.	Oct. 12
Oct. 17	Pennsylvania ..... Adv. Sept. 28 to Oct. 12.	Sept. 28
Oct. 17	Ballinger, Tex.	Oct. 5
Oct. 17	Johnson City, Tex.	Oct. 5
Oct. 17	Louisiana	Oct. 5
Oct. 17	St. George, N. Y.	Oct. 12
Oct. 18	Florida	Oct. 12
Oct. 18	Utah	Oct. 12
Oct. 19	Brooklyn, N. Y.	Oct. 12
Oct. 19	New York, N. Y.	Oct. 12
Oct. 19	Charleston, S. C.	Sept. 28
Oct. 19	Crookston, Minn.	Oct. 5
Oct. 20	West Virginia	Oct. 12
Oct. 20	Missouri	Oct. 12
Oct. 23	Missouri	Oct. 12
Oct. 23	Mound City, Kan.	Oct. 12
Oct. 24	New Jersey ..... Adv. Oct. 12.	Oct. 12
Oct. 24	St. Louis, Mo.	Sept. 28
Oct. 24	St. Louis, Mo.	Oct. 5
Oct. 24	New York ..... Adv. Oct. 5 and 12.	Oct. 5
Oct. 25	North Carolina ..... Adv. Odt. 12.	Oct. 12
Oct. 26	Baltimore, Md.	Oct. 12
Oct. 27	Tennessee	Oct. 12
Oct. 31	Milwaukee, Wis.	Oct. 12
Oct. 31	New York, N. Y. ..... Adv. Oct. 5 and 12.	Oct. 5
Jan. 7	Duluth, Minn.	Sept. 28

INDUSTRIAL WORK

Oct. 16	Cleveland, O.	Sept. 28
Oct. 16	London, Ont.	Oct. 12
Nov. 1	Vischer Ferry, N. Y. ..... Adv. Oct. 12.	Oct. 12

BUILDINGS

Oct. 16	Altoona, Pa.	Sept. 21
Oct. 16	Port Huron, Mich.	Sept. 28
Oct. 16	Patchogue, N. Y.	Sept. 28
Oct. 16	Columbia, Mo.	Oct. 5
Oct. 16	South Orange, N. J.	Oct. 12
Oct. 16	Lake City, Ia.	Oct. 12
Oct. 16	Wash., D. C.	Oct. 12
Oct. 17	Racine, Wis.	Sept. 21
Oct. 17	Holdredge, Neb.	Oct. 5
Oct. 17	Superior, Wis.	Oct. 5
Oct. 18	Baltimore, Md.	Oct. 12
Oct. 18	Brooklyn, N. Y.	Oct. 12
Oct. 19	Athens, O.	Sept. 28
Oct. 19	Phoenix, Ariz.	Sept. 28
Oct. 20	Wash., D. C.	Oct. 12
Oct. 20	East Haddam, Conn.	Oct. 12
Oct. 20	Logan, O.	Sept. 28
Oct. 23	Greensboro, N. C.	Oct. 12
Oct. 26	Evansville, Ind	Oct. 5
Oct. 31	Creedmoor (Jamaica P. O.), N. Y. ..... Adv. Sept. 28 to Oct. 12.	Sept. 28
Oct. 31	Baltimore, Md.	Oct. 12
Nov. 1	Centerville, O.	Oct. 12
Nov. 1	Plant City, Fla.	Oct. 5
Nov. 1	Duluth, Minn.	Oct. 5
Nov. 1	Irvington, N. J.	Oct. 12
Nov. 15	Ocean City, N. J.	Oct. 5

FEDERAL GOVERNMENT WORK

Oct. 16	Earthwork—Yuma, Ariz.	Sept. 14
Oct. 16	Hospital—Chelsea, N. Y.	Sept. 28
Oct. 16	Mechanical Equipment — Chelsea, N. Y.	Sept. 28
Oct. 17	Extension to Workroom — Fall River, Mass.	Oct. 5
Oct. 18	Quarters—Edgewood, Md.	Sept. 21
Oct. 18	Foundations, etc. — Phila., Pa.	Oct. 5
Oct. 18	Septic Tank, etc.—Virginia Beach, Va.	Oct. 5
Oct. 18	Roof—Portsmouth, N. H.	Oct. 5
Oct. 20	Dredge Tenders — Phila., Pa.	Sept. 28
Oct. 21	Dredging — San Diego, Calif.	Oct. 5
Oct. 23	Dredging — Providence, R. I. ..... Adv. Sept. 28 to Oct. 12.	Sept. 28
Oct. 23	Dump Scows — Nashville, Tenn. ..... Adv. Sept. 21 to Oct. 12.	Sept. 21
Oct. 24	Pier Removal, etc. — Chicago, Ill. ..... Adv. Sept. 28 to Oct. 12.	Sept. 28
Oct. 24	Laboratory—Wash., D. C.	Oct. 12
Oct. 25	Dredging — Puget Sound, Wash.	Oct. 5
Oct. 26	Extension—Adrian, Mich.	Oct. 12
Oct. 27	Extension to Workroom, etc. —Rochester, Minn. ..... Adv. Oct. 5 and 12.	Oct. 5
Oct. 30	Superstructure — Buffalo, N. Y. ..... Adv. Oct. 5 and 12.	Oct. 5
Oct. 30	Dredging—Providence, R. I. ..... Adv. Oct. 5 and 12.	Oct. 5
Oct. 30	Alterations, etc.—Richmond, Va.	Oct. 5
Oct. 31	Dredging—Honolulu, H. T.	Aug. 31
Nov. 1	Laundry — New York, N Y. ..... Adv. Oct. 12.	Oct. 12
Nov. 1	Alterations, etc. — Fitzsimons, Colo. ..... Adv. Oct. 12.	Oct. 12
Nov. 6	Pier, etc. — Milwaukee, Wis. ..... Adv. Oct. 12.	Oct. 12
Nov. 6	Breakwater—Chicago, Ill.	Oct. 12
Nov. 6	Dump Scows — Buffalo, N. Y. ..... Adv. Oct. 12	Oct. 12
Nov. 14	Hospital—Chillicothe, O.	Oct. 12

MISCELLANEOUS

Oct. 16	Tractors—San Jose, Calif.	Oct. 5
Oct. 18	Brick—Wash., D. C.	Sept. 28
Oct. 20	Bulkhead, etc. — Lawrence Harbor (Cliffwood P. O.), N. J.	Oct. 5
Oct. 20	Foundation, etc. — New York, N. Y.	Oct. 12
Oct. 24	High School Equipment— Wash., D. C. ..... Adv. Oct. 12.	Oct. 12
Oct. 30	High School Equipment— Wash., D. C. ..... Adv. Oct. 12.	Oct. 12
Oct. 31	Steam Pumps — Atlanta, Ga. ..... Adv. Oct. 5 and 12.	Oct. 5
Nov. 4	Transformers, etc. — Melbourne, Australia	Aug. 17
Nov. 13	High School Equipment— Wash., D. C. ..... Adv. Oct 12.	Oct. 12
Nov. 21	High School Equipment— Wash., D. C. ..... Adv. Oct. 12.	Oct. 12
Dec. 18	Coal Handling Plant — Melbourne, Victoria, Australia	Sept. 21

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

W. Va., Bluefield—Bluefield Water Works Impvt. Co., having plans prepared mechanical water filters, 2,000,000 gal. capacity, $70,000. Ford, Burdick & Howson, 8 South Dearborn St., Chicago, engrs.

Miss., Corinth—Soon takes bids water distribution system, incl. 25,212 ft. 4-6 in. c.i. pipe, two 400 gal. centrifugal pumps, one 750 gal. centrifugal motor driven pump, one deep well pump, 13 fire hydrants, $35,000. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, Mo., consult. engr.

O., St. Clairsville—Nov. 7 to vote on $60,000 bonds to be used with $65,000 previous bond issue for 200 ft. reservoir, 25 ft. high, 30,000 gal. capacity, south of here. C. Rothormond, Martins Ferry, engr.

Mich., Clawson—Village having plans completed waterworks system incl. 11,150 ft. 8 in. and 200 ft. 6 in. c.i. mains, 17 fire hydrants, fifteen 8 in. gate valves, seventeen 6 in. gate valves with boxes, specials, 75,000 gal. elevated steel water tank, etc. Ruhling, Holdsworth & Hudson, 16549 Woodward Ave., Highland Park (Detroit P. O.), engrs.

Mich., Ecorse—Having plans prepared 2 mi. 6 in. c.i. mains, incl. specials, hydrants, etc. $75,000. M. L. Brown & Son, 120 Madison Ave., Detroit, engrs.

Mich., Ferndale—Having tentative plans completed for replacing 2 mi. 8 in. c.i. mains with 12 in. c.i. main, from here to Pleasant Ridge, also reserve well at connection. $40,000. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Ill., Astoria—Making plans waterworks, incl. 30,000 gal. impounding reservoir, 200,000 gal. a day rapid sand filter plant, 4 motor driven centrifugal pumping units, filter plant, pump house, 13,200 ft. 6 in. c.i. mains, etc. $40,000. W. A. Fuller Co., 1917 Railway Exch., St. Louis, Mo., engrs.

Tex., Ballinger—Sold $25,000 bonds to increase quantity and quality of water supply. J. E. Pirie, Ballinger, engr.

Tex., Greenville—C. S. Clark and A. H. Dunlap, members of State Bd. of Water Engineers, Austin, making survey of drainage area north of here, for purpose of locating larger water supply. City election in October to vote on $100,000 bonds for project. A. D. Duck, city engr.

Tex., Teague—Plans extensive waterworks improvements. J. B. Hawley, Dallas, consult. engr.

Okla., Tulsa—Water Comn., rejected bids opened Sept. 25 gate valves for Spavinaw Water Supply Project, Contr. 9. Will re-

Waterworks (Continued)

advertise. Trammell & Holway, 329 Kennedy Bldg., engrs. D. H. Maury, 1445 Monadnock Bldg., Chicago, consult. engr. Noted Aug. 24.

Okla., Tyrone—Town Bd. soon receives bids waterworks system including power house. $70,000. H. Knott, city engr.

Ont., Hanover—Oct. 16, to vote on $135,000 bonds for 3½ mi. of 4 in. mains, concrete reservoir, pumping station, (steam), steel water tower, and additional 6 in. mains. Prices wanted on all materials and equipment. J. Taylor, city engr.

Ont., Wheatley—Having plans prepared new waterworks system. $30,000. Prices wanted on all equipment. R. O. Wynne-Roberts, 40 Jarvis St., Toronto, engrs.

Ont., Windsor — Having plans prepared for filtration plant. $500,000 bonds will be voted on in January. James, Proctor & Redfern, Confederation Life Bldg., Toronto, engrs.

BIDS DESIRED

N. Y., Canandaigua—Oct. 17, by Bd. Pub. Wks., City Hall, furnishing and delivering c.i. pipe and specials. W. S. Lozier, 321 Cutler Bldg., Rochester, consult. engr.; adv. this issue.

N. Y., Mayfield—Oct. 21 at office of F. J. Warner, village clk., for water system. M. Vrooman, Gloversville, engr.; adv. this issue.

La., New Orleans—See "Sewers."

Tenn., Memphis—Oct. 17, by Memphis Artesian Water Dept., 105-107 North 2nd St., one portable gasoline engine driven air compressor mounted on trucks of steel construction, together with tools, etc. J. Sheahan, acting genl. supt.; adv. this issue.

Minn., Kinney—Oct. 17, by village, one motor-driven, double stroke, deep well, geared plunger pump, with motor, starting apparatus, pipe fittings, etc., 150 g.p.m. capacity, for Water Dept. J. Colombo, clk.

Minn., Morris—Oct. 20, by city, pump station, also furnishing and installing crane. (Separate bids also invited on furnishing crane only, without installing.) F. J. Haight, mgr. C. F. Tweed, 531 Metropolitan Bank Bldg., Minneapolis, engr. Noted Jan. 12.

Tex., Coleman—See "Dams."

BIDS RECEIVED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity Municipal Bldg., opened bids Oct. 6, mains on subway bridge over New York, New Haven & Hartford R.R., from Beaver Eng. & Contg. Co., 57 Chambers St., $10,080; Vulcan Rail & Constr. Co., Maspeth, $19,094; H. E. Fox Constr. Co., 81 East 125th St., $19,363. Noted Sept. 28.

O., Cleveland—Opened bids Sept. 29, furnishing and laying 10,400 lin.ft. 60 in. (a) riveted steel, (b) lockbar or (c) c.i. mains, in Wade Park Ave., from Martin & McDace, Illuminating Bldg., (a) $376,190; P. F. Connelly, 313 Commonwealth Bldg., (b) $398,341, (c) $537,101. Noted Sept. 7.

O., Parma Heights (near Cleveland)—Opened bids Sept. 29, 22,622 ft. 12 in. c.i. mains, from D. Pfahl & Co., Guardian Bldg., Cleveland, $109,500; Hadded Mall Co., Schofield Bldg., Cleveland, $112,472.

Mo., St. Louis—Bd. Pub. Serv., City Hall, opened bids Oct. 3, furnishing and delivering 210 ton 6 in., 88 ton 8 in., 200 ton 12 in. A, 230 ton 12 in., 327 ton 20 in. and 2332 ton 36 in. B coated c.i. pipe, from U. S. Cast Iron Pipe & Fdry. Co., Security Bldg., at $47.60 per ton; 160 ton coated c.i. special castings, from Bessemer Fdry. & Mchy. Co., $87.20 per ton, Amer. Cast Iron Pipe Co., 716 Scarritt Bldg., Kansas City, $106, U. S. Cast Iron Pipe & Fdry. Co., Security Bldg., $125, tap valves, from A. P. Smith Mfg. Co., $16,263, Chapman Valve Mfg. Co., 1452 South 2nd St., $17,305; 300 single nozzle, short barrel post fire hydrant top parts, from A. P. Smith Mfg. Co., $38.90 each, Amer. Fdry. & Mfg. Co., 11th and Hebert Sts., $39.50, Kennedy Valve Mfg. Co., $44.91. Noted Sept. 28.

CONTRACTS AWARDED

N. C., Taylorsville—See "Sewers."

O., Columbus—See "Streets and Roads."

O., Columbus—Franklin Co., 18,740 ft. 6-12 in. c.i. mains in Sewer Dist. Clinton 2, Clinton Twp., to Pitt Constr. Co., Inc., Fulton Bldg., Pittsburgh, Pa., $33,698. Noted Oct. 5.

Ill., Hanover—For 17,163 lin.ft. 4-8 in. c.i. pipe, in place, 10,821 lb. specials, gate valves, fire hydrants, centrifugal pump, single phase motor, 40,000 gal. elevated steel tank, on 70 ft. tower, etc., to Kruse Constr. Co., Spencer, Ia., $20,000. Noted Sept. 21.

Ill., Jerseyville—For 34,320 ft. 10 in. and 2,640 ft. 4 in. c.i. mains, 1 story, 26 x 36 ft. stone pump house, rein.-con. reservoir, 100,000 gal capacity, pumps, etc., to C. M. Hanes, Jerseyville, $215,740. Noted July 27.

Wis., Milwaukee—Sewerage Comn., 508 Market St., feed water softener and purification system, from Cochrane Eng. Co., 53 West Jackson Blvd., Chicago, $10,318; Wayne Tank & Pump Co., Anthony Hotel, Ft. Wayne, Ind., $10,810; Permutit Co., 440 4th Ave., New York City, $16,260.

N. D., North Fargo (Fargo P. O.)—Waterworks system, incl. 880 lin.ft. 8 in., 1,335 lin.ft. 10 in. and 2,040 lin.ft. 12 in. c.i. pipe, 100,000 gal elevated steel tank on 100 ft. tower, pump house, pump, hydrants, valves, etc., to Schruth & Jackson, 733 Plymouth Bldg., Minneapolis, Minn., $34,383.

S. D., Colome—Waterworks system incl. 11,000 lin.ft. 6 in. c.i. pipe, concrete well, pumphouse and machinery, to Ellerman-McLain Co., Yankton, $27,000.

Okla., Tulsa—Water Comn., constructing Spavinaw Water Supply Project, Contr. 1, telephone line, to D. E. Emnoss, Vinita, $11,606; Contr. 2, clearing site for dam, Contr. 3 dam, Contr. 5 tunnel and approaches, and Contr. 10 laying c. i. pipe, to Standard Paving Co., 321 North Boston St., $120,250, $787,610, $304,058 and $49,358 respectively; Contr. 4 60 in. concrete conduit pipe, and Contr. 6, 54 in. concrete conduit pipe, to Walbridge-Aldinger Co., 2356 Penobscot Bldg., Detroit, Mich., $2,136,980 and $1,715,160 respectively; Contr. 7 Mohawk Reservoir, to R. D. Davies & Son, Tulsa, (street address not available) $109,956; Contr. 8 furnishing c. i. pipe, to U. S. Cast Iron & Foundry Co., East Burlington St., Burlington, N. J., $210,792; Contr. 11 high pressure reservoir, to Trailor Dewey Contg. Co., Tulsa, (street address not available) $150,554. Noted Aug. 24.

Que., Montreal—Water Works Dept., 11 Place D'Armes, 11,000 ft. 40 in. steel force mains from pumping station to Atwater and Sherbrooke Sts., and 2,000 ft. 30 in. steel force main in Sherbrooke St. from Atwater to Oliver Sts., to Laurin & Leitch Eng. & Constr. Co., 590 Union Ave. $500,000.

Sewers

PROPOSED WORK

N. Y., Auburn—Plans 12 in. or larger combined sewer in Liberty St. and Curtis Pl. $25,000. M. F. Dullea, city engr.

Pa., Carbondale — Plans surface sewers in Main St. $7,000, Maple Ave. $1,370, Copeland Ave. $2,450, Dundaff St. $9,850, Chestnut Ave. $785, 8th Ave. $11,650, Salem Park $3,850, Laurel St. $7,900. W. L. Giles, city engr.

Miss., Corinth—Soon takes bids 29,000 ft. 8-10 in. vitr. pipe sewer in various streets, 85 brick manholes with c.i. frames and covers, 10 ton c. i. pipe with sewer crossing streams, 6,200 cu.yd. earth trenching. $35,000. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, Mo., consult. engr.

Mich., Grosse Pointe Farms (Detroit P. O.)—Plans 3,500 ft. vitr. crock or segment block sewer in Kerby Rd. from Ridge Rd. to Black Marsh Creek, incl. 1,750 ft. 36 in., 940 ft. 24 in. and 810 ft. 22 in. pipe. $25,000. R. H. Erly, engr.

Mich., Royal Oak (Detroit P. O.)—Plans prepared for 17,600 ft. main trunk sewer, incl. 610 lin.ft. 18 in., 2,250 ft. 15 in., 4,332 ft. 12 in., 5,620 ft. 10 in., 2,176 ft. 8 in. and 1,420 ft. 6 in. vitr. crock pipe. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Wis., Birnamwood — Having plans prepared storm and sanitary sewers. $25,000. W. G. Kirchoffer, Dean Blk., Madison, engr.

Wis., Eagle River—Having plans prepared sanitary and storm sewers and disposal tank. $25,000. W. G. Kirchoffer, Dean Blk., Madison, engr.

Wis., La Crosse—Plans trunk sewer extension in 16th St. $60,000. C. Congdon, City Hall, acting city engr.

Ia., Muscatine—Making plans sanitary sewerage system in South Muscatine. $25,000. J. Selden, city engr.

N. D., Grafton—Having plans prepared sewage disposal plant. $27,000. W. J. LaMarre, city aud.

Que., Montreal—Plans 600 ft. of 2 x 3 brick sewers in Fullum St. from Hochelaga to Sherbrooke Sts. $3,832, 1,416 ft. in 15th Ave. from Masson to Dandurand Sts. $7,450, 200 ft. in Decarie Blvd. from Bourret St. to Lots 51-398, $1,224, 2,635 ft. in [illegible]ridgewood Ave. from Rielle to Jolicoeur S[illegible] $15,548. E. Fusey, supt. sewer dept.

Ont., North Bay—Having plan[illegible] prepared 24-30 in. concrete sewers. $25,[illegible] Work will probably de done by day [illegible]bor. F. G. Mackie, city engr.

BIDS DESIRED

N. Y., Brooklyn—Oct. 19, by [illegible] Riegelmann, boro pres., Boro Hall, sew[illegible]s in 77th St. between 11th and 12th Aves., [illegible] Hamilton Parkway between 53rd and [illegible]4th Sts., Ocean and Ft. Hamilton Parkway[illegible], Farragut Rd., East 12th, 77th, East [illegible]1st, 66th, East 37th, 57th, 67th, Carroll, East 42nd and Chester Sts., Brooklyn, 15th, Shepherd and Riverdale Aves.

La., New Orleans—Dec. 11, by Sewerage & Water Bd., 526 Carondelet St., labor-material percentage contract for year 1923. G. G. Earl, genl. supt.; adv. this issue.

Ind., Indianapolis — Oct. 31, by Bd. of Sanitary Comrs., City Hall, constructing Sect. 3, Div. 3, and furnishing and erecting mechanical equipment for sewage disposal plant. J. A. Craven, pres.; adv. this issue.

Ia., Carroll—Oct. 16, for 9,000 lin.ft. 8 in sanitary sewers, 2 pumping stations, etc. $25,000. W. A. Arts, clk.

Okla., Tulsa—Nov. 2, by Bd. Comrs., 5,700 ft. storm sewer, 5,100 ft. of which will be in tunnel cut. C. Schultz, city engr.; adv. this issue.

Ont., Hamilton—Oct. 25, by G. Coppley, mayor and chn. Bd. Control, sewer in Kenilworth Ave., incl. 550 lin.ft. 5 ft. and 3,177 ft. 2 ft. 8 in. x 4 ft. concrete sewer, 153 ft. 4 ft. 6 in. x 4 ft., 85 lin.ft. 4 ft. 9 in. x 3 ft. 9 in., and 43 ft. 4 ft. 6 in. x 5 ft. 6 in. monolithic sewer, 1,338 lin.ft. 12 in. and 515 ft. 24 in. vitr. pipe. $100,000, E. R. Gray, city engr.

BIDS RECEIVED

Pa., Phila.—Opened bids Oct. 3, vitr. pipe sewer in (1) Bigler St. and Moyamensing Ave., (2) Colorado, Penn and 21st Sts., (3) Colna, Smedley, 16th and 17th Sts., and Dickens and Holbrook Aves., (4) Pollock St., brick sewer in (5) 67th Ave. and 21st St., from O'Neill Co., 127 East Mermaid Lane, (1) $26,523 (2) $27,568 (3) $26,152 (4) $24,430 (5) $27,573; A. A. Pastori, 5904 Woodland Ave., (1) $27,188 (2) $28,176; W. H. Yellman, Lincoln Bldg., (1) $27,966; A. J. Ellis, 5724 North Marshall St. (2) $25,324 (3) $26,753 (4) $25,788 (5) $27,602; A. Joffola, 1203 Tree St., (3) $25,849; A. Leva, Phila., (street address not available) (4) $26,873; Girard Underpinning Co., 2930 Diamond St., (5) $26,419. Noted Sept. 28.

O. Cleveland Heights (Warrensville P. O.)—Opened bids Oct. 2, sewers in (1) North Compton Rd., (2) Hyde Park Ave., (3) Blanche Ave., mains in (4) Blanche, South Compton and Hyde Park Rds., from B. H. Whittaker, 343 The Arcade, Cleveland, (1) $7,386 (2) $5,233 (4) $17,262; Palermo & Consolo, 14110 Benwood Ave., Cleveland, (1) $7,412 (2) $4,828 (3) $30,511 (4) $17,518; Iafornaro Constr. Co., 3218 Murray Hill Rd., Cleveland, (3) $32,022. Work involves 2,380 ft. 36 and 48 ft. brick and 8,350 ft. 8-24 in. vitr. tile pipe. Noted Sept. 28.

O., Geneva—W. E. Morgan, village clk. and Burgess & Niple, engrs., 141 East Broad St., Columbus, opened bids Oct. 2 sewage disposal plant, from D. E. Beattie, 715 Chitty St., Akron, $52,990.

Mich., Detroit—Opened bids Sept. 30, (1) Ryan Ave. Arm of Seven Mile Rd. Sewer (2) Fenelon Ave. Arm of Seven Mile Rd. Sewer (3) Edison Ave. Arm (4) Houston Ave. Arm of Gratiot Ave. Sewer (5) Westminster Ave. Arm, from W. Blanck & Co., 823 Ford Bldg., (1) $52,591 (2) $39,859 (5) $53,768; R. D. Baker, 1631 Elmhurst Ave., (1) $51,739 (2) $37,286 (4) $43,902; J. Wagner, West Grand Blvd., (1) $48,602; C. R. Lennane Co., 2631 Woodward Ave., (2) $40,784 (4) $41,264 (5) $53,771; Lennane & McIlvenna, 1205 Book Bldg., (3) $59,130; J. A. Mercier, 216 Hammond Bldg., (3) $60,900, Connelly Bros., 603 Hodges Bldg., (3) $58,260 (5) $49,691; A. Rossi, 3447 St. Aubin Ave., (4) $44,924. Noted Sept. 28.

Mich., Detroit—Building sewers as follows: (1) Lateral 3634 (2) Lateral 3727 (3) Lateral 3728 (4) Lateral 3729 (5) Lateral 3730 (6) Lateral 3731 (7) Lateral 3732 (8) Lateral 3733 (9) Lateral 3734 (10) Lateral 3735 (11) Lateral 3736, from Judd Co., 2287 12th St., (1) $18,921 (9) $34,260; Hammen & Co., 4612 Woodward Ave., (1) $17,645 (5) $5,248 (9) $28,673 (10) $58,750; Western Constr. Co., 1208 Ford Bldg., (1) $17,679 (4) $3,963 (5) $3,929 (6) $4,152; J. A. Mercier, 216 Hammond Bldg., (2) $4,357 (4) $4,320 (5) $4,392 (6) $4,562 (7) $4,577 (10) $61,589

Sewers (Continued)

(11) $28,347; W. Blanck & Co., 823 Ford Bldg., (2) $4,403 (3) $11,756 (7) $4,844 (11) $28,837; Detroit Drainage Constr. Co., Penobscot Bldg., (3) $11,300; C. R. Lenname Co., 2631 Woodward Ave., (3) $11,744; A. Rossi, 5307 Constr. Co., 1026 Dime $4,430; Liberty Constr. Co., 1026 Dime Bank Bldg., (6) $4,760 (7) $4,720 (9) $33,500 (10) $63,700; J. Zacolia, Detroit, (street address not available), (8) $729; Cappello & Fattore, Detroit, (street address not available) (8) $800; J. F. Gentile, 920 Rowena Ave., (9) $775; Coolsaet Bros., Detroit, (street address not available), (2) $4,212; J. Montie, 400 Penobscot Bldg., (11) $28,342.

Wis., Milwaukee — For 3,814 ft. storm sewer, etc., in Keefe Ave. from 25th St. to Hopkins Rd. and along Hopkins Rd. to Mud Creek, 3,159 lin.ft. 60-72 in. concrete sewer, 655 lin.ft. 48 x 84 in. rein.-con. sewer, one overflow chamber, etc., from L. G. Zimmerman, 2826 State St., $109,409; H. Hohensee, Ludington Ave., Wauwatosa, $123,818; Wenzel & Henoch, 498 27th St., $124,656.

CONTRACTS AWARDED

N. Y., New York—H. Bruckner, pres. Bronx Boro, sewer in Webster Ave., to Spadaro Contg. Co., 827 East 217th St., $518,984; paving with sheet asphalt West 190th St., etc., to C. D. Beckwith, 2875 Bway., $7,979. Noted Oct. 5.

N. C., Taylorsville—Constructing sewerage and waterworks systems, to Electrical Constructors Co., 508 West 4th St., Charlotte, $63,418. Noted June 8.

O., Columbus—Franklin Co., vitr. sewer in Sewer Dist. Clinton 2 Contr. 13, to Gangl Constr. Co., 737 2nd Natl. Bldg., Akron, $55,929; Sewer Dist. Clinton 2 Contr. 12, to C. F. Smith, 54 Davies St., Dayton, $12,163; vitr. or concrete sewer in Sewer Dist. Marion 1, to W. Neilson, 1616 Summit St., $18,721. Noted Oct. 5.

O., Columbus—See "Streets and Roads."

Mich., Cadillac—General contract for 2 story, concrete and brick sewage disposal and filtration plant, to G. C. Stewart, Cadillac, $34,487; control equipment to Specific Flush Tank Co., Chicago, Ill., (street address not available), $3,900. Aug. 17.

Mich., Lincoln Park (Wyandotte P. O.) —For 8,030 ft. of 8-48 in. vitr. crock sewer in Emmons Blvd., to Callahan & Grosse, Lincoln Park, $38,192. Noted Sept. 14.

Mich., Springwells — Building 3,447 ft. Sect. 10 main trunk sewer, to Detroit Drainage Constr. Co., 5099 Lemay Ave., Detroit, $65,578; 5,058 ft. Sect. 14 main trunk sewer, to J. Porath, 745 Griswold St., Detroit, $103,677; grading Schaffer Rd., incl. 13,500 cu.yd. excav., 95 cu.yd. rein.-con., 6,000 lb. reinforcing, to Closser Bros., 8427 Stencfor Ave., Detroit, $14,059; bridge over Roulo Creek to Gass-Thurston Co., 1520 15th St., Detroit, $4,500. Noted Sept. 28.

Wis., Milwaukee—Metropolitan Sewerage Comn. of Milwaukee Co., 508 Market St., intercepting sewer from Port Washington Rd. to 32nd St. and Hopkins Rd. in North Milwaukee, to Mid-West Constr. Co., 253 Walker St., $367,314. Noted Oct. 5.

Wis., Mount Horeb — Equipment for sewage disposal plant incl. 2 air lifts, settling tank, compressor, air tank, to Wisconsin Fdry. & Machine Co., 623 East Main St., Madison.

Calif., Delano—Sewers, etc., to Stroud Bros., 210 Union St., Bakersfield, 1 rein.-con. settling tank $7,000, 2 sludge beds with roadways, 200 ft. drain $252, 3,978 lin.ft. 24 in. concrete pipe sewers $2.34, 434 lin.ft. 18 in. $1.86, 18,227 lin.ft. 15 in. $1.44, 9,131 lin.ft. 12 in. $1.245, 9,961 lin.ft. 10 in. $1.085, 38,778 lin.ft. 8 in. $0.92, etc., total $119,000.

Waste Disposal

BIDS RECEIVED

W. Va., Charleston—Constructing garbage incinerator, from C. F. Walters, Clarksburg, $23,850; Superior Garbage Incinerator Co., Dallas, Tex., (street address not available), $40,000; Davis Garbage Furnace Co., Charleston, (street address not available), $41,500. Noted Sept. 31.

Bridges

PROPOSED WORK

Pa., Carbondale—Plans to construct its share of Main Viaduct, mostly steel. $90,000. W. L. Giles, city engr.

Pa., Carbondale — Plans steel viaduct over Dundaff St. $30,000. T. A. Boles, clk. Engineer not announced.

SEWERAGE SYSTEM—MARION, OHIO

Following are lowest three bids opened Aug. 31, by E. A. Schultz, dir. Pub. Serv., for outlet section of main sanitary sewer, Contract B, (A) Kohlbarger & Hoyles, Marion, (awarded contract); (B) Harris-Andrews-Henderson Co., Youngstown; (C) D. E. Beattie Co., Akron. The unit bids were as follows:

	A	B	C
9,150 cu.yd. earth excavation (0 to 6 ft. cut)	$0 50	$1 20	$0 65
2,950 cu.yd. earth excavation (6 to 9 ft. cut)	80	1 20	70
1,900 cu.yd. earth excavation (9 to 12 ft. cut)	1 00	1 20	1 00
1,050 cu.yd. earth excavation (12 to 15 ft. cut)	2 00	1 20	1 25
300 cu.yd. earth excavation (15 to 18 ft. cut)	3 00	1 20	2 00
25 cu.yd. earth excavation (18 to 21 ft. cut)	4 00	1 20	3 60
50 cu.yd. rock excavation	8 00	3 50	3 50
100 lin.ft. 4-in. vitrified pipe sewer	25	17	50
100 lin.ft. 6-in. vitrified pipe sewer	30	22	75
100 lin.ft. 8-in. vitrified pipe sewer	40	33	80
100 lin.ft. 10-in. vitrified pipe sewer	50	48	80
100 lin.ft. 12-in. vitrified pipe sewer	60	60	80
100 lin.ft. 15-in. vitrified pipe sewer	1 00	77	1 00
100 lin.ft. 18-in. vitrified pipe sewer	1 40	1 03	1 50
100 lin.ft. 20-in. vitrified pipe sewer	1 80	1 21	1 60
100 lin.ft. 22-in. vitrified pipe sewer	2 25	1 58	2 00
100 lin.ft. 24-in. vitrified pipe sewer	2 40	3 00	2 30
860 lin.ft. 39-in. vitrified segment block sewer	5 65		7 50
7,550 lin.ft. 42-in. vitrified segment block sewer	5 90		8 00
860 lin.ft. 39-in. reinforced concrete pipe sewer	‡5 10 *5 90	4 60	5 00
7,550 lin.ft. 42-in. reinforced concrete pipe sewer	‡5 50 *6 40	5 22	6 00
860 lin.ft. 39-in. monolithic concrete sewer, type "A"	6 00		8 00
200 lin.ft. 39-in. monolithic concrete sewer, type "B"	8 50	9 00	1,500
7,550 lin.ft. 42-in. monolithic concrete sewer, type "A"	6 35		9 00
800 lin.ft. 42-in. monolithic concrete sewer, type "B"	9 20	10 00	10 00
860 lin.ft. 39-in., 2 ring, brick sewer	7 00		7 00
7,550 lin.ft. 42-in. 2-ring, brick sewer	7 80		8 00
18 ton cast iron pipe and fittings	70 00	70 00	80 00
10 cu.yd. concrete, class "A"	20 00	18 00	14 00
50 cu.yd. concrete, class "B"	15 00	17 00	12 00
360 lin.ft. expansion joints	1 00	1 40	
5,000 lb. steel reinforcement	05	06	05
10 cu.yd. brick masonry	25 00	25 00	22 00
15 M Ft. B.M. sheeting and shoring left in place	60 00	35 00	20 00
5 M.Ft.B.M. lumber in foundations	75 00	45 00	40 00
7 standard manholes, having a depth of 8 ft. or less	75 00	60 00	90 00
12 standard manholes, having a depth greater than 8 ft.	100 00	70 00	100 00
Drop manholes (lump sum)	150 00	60 00	150 00
6 12-in. stubs	5 00	60	1 00
3 24-in. stubs	10 00	5 20	4 00
1 30-in. stubs	15 00	7 50	7 00
70 6-in. slants	50	1 50	1 00
Junction chamber (lump sum)	700 00	1,000 00	1,000 00
Spillway (lump sum)	650 00	720 00	500 00
25 sq.yd. restoring cinder or gravel roadway	50	3 50	4 00
50 sq.yd. restoring macadam roadway	60	3 50	4 00
25 sq.yd. restoring concrete roadway	2 00	4 00	4 00
50 sq.ft. restoring stone walks	25	70	30
50 cu.yd. cinder or gravel filling	2 00	3 50	4 00
10 cu.yd. removing existing masonry	3 50	5 00	10 00
Extended totals reinforced-concrete pipe sewer	$76,316	$80,619	$81,320

‡ Core Joint Concrete Pipe.
* Independent Concrete Pipe.

Pa., Carbondale — Plans bridge over Racket Brook on Williams Ave. $1,000; rebuilding Brooklyn Bridge $5,000; replacing White Bridge on Cottage St. $8,000; new bridge over Lackawanna River near No. 3 shaft $12,000. W. L. Giles, city engr.

Pa., Pittsburgh—Allegheny Co. soon takes bids building bridge 7 incl. approaches across Allegheny River, at 40th St. near Foster St.

Va., Richmond—Boulevard Bridge Corp. plans 2,200 ft. steel, concrete and masonry bridge over James River near southwest city limits. S. McGuire, 1008 West Grace St., pres.

North Carolina—State Hy. Dept., Raleigh, plans 1¾ mi. bridges and approaches from Bladen Co. line to Great Swamp on Route 211, State Project 392, Robeson Co. $45,000. C. M. Upham, state highway engr.

Fla., Port Tampa—Gandy Bridge Co., St. Petersburg, having plans prepared one 75 ft. double lift steel draw bridge over Ship Channel, 13,490 lin.ft. rein.-con. $1,200,000. G. S. Gandy, Jr., St. Petersburg, engr.

Fla., Seabring—Highland Co. having preliminary plans prepared steel span bridge, probably I beam or truss. $50,000. W. C. Peacock, Sebring, engr.

Ia., Charles City — Floyd Co. making plans concrete bridge over Cedar River. $50,000. G. H. Elliott, Charles City, engr.

BIDS DESIRED

N. J., Dover — Oct. 24, by State Hy. Dept., Trenton, repairing bridge over Barnegat Bay from Seaside Heights to Island Heights, here. J. L. Vogel, 772 Broad St., Newark, bridge engr.; adv. this issue.

North Carolina—Oct. 25, by State Hy. Comn., Raleigh, bridges and culverts on State Project 152, Hyde Co., 230 cu.yd. concrete, 19,000 lb. reinforcing, 1,600 ft. untreated and 3,600 ft. treated timber piles, 1,160 sq.yd. asphaltic wearing surface, 36,800 ft. untreated and 82,800 ft. creosoted lumber. $30,000. C. M. Upham, state highway engr.

North Carolina — See "Streets and Roads."

Tennessee—Oct. 27, by State Hy. Dept., Nashville, bridges over 20 ft. span located as follows at sta. 72-27 two 18 ft. spans; sta. 159-31 three 26 ft. one 40 ft. and one 114 ft. spans; sta. 234-81 five 20 ft. spans; sta. 357-75 two 16 ft. spans; sta. 555-37 two 40 ft. and four 32 ft. spans, above includes 2,122 cu.yd. dry excav., 1,901 cu.yd. concrete, 82.22 cu.yd. special concrete, 208,006 lb. deformed steel bars, 117,636 lb. fabricated structural steel, 2,112 lb. steel castings, etc. D. Q. McComb, Nashville, ch. engr.

Kan., Mound City — See "Streets and Roads."

Idaho, Wallace—Oct. 16, by W. I. Bassett, dist. engr. Bureau Highways, Coeur d'Alene, building four 90 ft. steel bridges, concrete substructures, between here and Kellogg, Shoshone Co.

BIDS RECEIVED

Calif., Stockton—Constructing bridge on Center St. over Mormon Channel, (1) bridge complete with all railroad traffic removed from bridge, (2) bridge complete allowing railroad companies to keep traffic in continuous operation, from Davis-Heller-Pearce Co., Delta Bldg., (1) $44,000 (2) $45,500; Davison & Nicolsen, 180 Jessie St., San Francisco, (1) $47,500 (2) $65,000; A. W. Kitchen, 110 Market St., San Francisco, (1) $47,920 (2) $52,000. Noted Sept. 21.

CONTRACTS AWARDED

Connecticut—See "Streets and Roads."

Ohio — W. H. Duffy, dir. Pub. Serv., Columbus, raising existing span and building new spans, etc. for Rathbone Bridge, 1,100 ft. long, 16 ft. wide, across Scioto River in Concord Twp., Delaware Co., to E. M. Scully, 1431 Eastwood Ave., Columbus, $120,717. Noted Sept. 28.

Mich., Springwells—See "Sewers."

Ia., Atlantic—Supervs. Cass Co., to Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, 6 rein.-con. box culverts.

Bridges (Continued)

$8,218, concrete figures $26.50 per cu.yd.; Henningson Constr. Co., Atlantic, 11 rein.-con. box culverts, $17,942, concrete figures $25.62 per cu.yd.

Tex., Houston—Bridge on Sabine St., to Smith, Starkey & Brown, 303 Stewart Bldg., $161,307. Noted Aug. 10.

Dams

PROPOSED WORK

Wis., Laona—Connor Lumber Co. making plans concrete and steel dam to replace present dam, gate hoist, concrete abutment walls. $25,000. L. A. De Guere, Wisconsin Rapids, engr.

BIDS DESIRED

Tex., Coleman—Oct. 18, by City Comn., dam and main extensions incl. 155,000 cu. yd. earth excav., concrete spillway, 23,000 ft. 10 in. c.i. pipe, valves and castings, pump house and pumps. Elrod Eng. Co., 3202 Elm St., Dallas, engrs.

Excavation, Drainage, Irrigation

BIDS DESIRED

Ind., Terre Haute—Oct. 23, by F. Rush. construction comr., Room 19, Natl. Block, 6th and Wabash Aves., cleaning, repairing and extending drainage ditches; adv. this issue.

Ia., Ft. Dodge — Oct. 17 by Supervs. Webster and Greene Counties for Joint D.D. 212 Webster Co. and 105 Greene Co., 1600 ft. double strength tile and 45,710 ft. standard tile, ranging from 6-42 in., 4,000 cu.yd. open ditch, etc.; open ditch 2,000, tile drain $88,625. J. L. Parsons, Ft. Dodge, engr.

CONTRACTS AWARDED

Fla., Ft. Lauderdale—Constructing canal, 35 ft. bottom, to N. A. Campbell, West Palm Beach, 81,000 cu.yd. earth excav. at $0.20 per cu.yd., 9,000 cu.yd. rock excav. at $1.71, total $31,590. Noted Sept. 14.

Fla., Melbourne—Crane Creek D.D., 850,000 cu.yd. dredging, to Canal Constr. Co., McCall St., Memphis, Tenn., $0.16 per cu.yd.

Fla., St. Petersburg—Gandy Bridge Co., 1,200,000 cu.yd. dredging for Gandy Bridge fill, to Seaboard Dredging Co., 105 Jackson St., Tampa, $0.25 per cu.yd.

Wis., Mauston — Farm Drainage Bd., Juneau Co., 19,040 ft. 8-16 in. tile drain, average depth 5 ft., some open ditch work, to Havey Bros. Co., Lyndon Station Engrs. est. $25,000.

S. D., Aberdeen—Brown Co., Portage-Detroit-Crow Creek Drain, incl. 1,000,000 cu.yd excav., to Northern Minnesota Drainage Co., Litchfield, Minn., $130,600.

Wash., Wenatchee—Wenatchee Irrigation Dist., Chelan Co., replacing 2,000 ft. side hill flume with concrete ditch; concreting 1,100 ft. tunnel and 2,000 ft. main canal between Sunnyslope and Cashmere, ½ mi. Sunnyslope lateral and ½ mi. ditch in East Wenatchee; replacing 1,600 ft. of 42 and 48 in. pipe on Columbia River Bridge, 1,000 ft. steel and remainder wood pipe. $85,000. Work will be done by day labor. C. C. Williams, Wenatchee, engr.

B. C., Port Coquitlam—Provincial Government, Victoria, dredging and clearing logs and driftwood for new channel for Coquitlam River, south of railroad and highway bridges, incl. 45,000 cu.yd. excav., to A. B. Palmer & Co., 929 Main St., Vancouver, $25,000.

Streets and Roads

PROPOSED WORK

N. Y., Auburn — Plans paving Owasco, Seymour and Mary Sts. $25,000. M. F. Dulla, city engr.

N. J., Flemington—Hunterdon Co. plans paving 21 mi. concrete road from Lambertville to Whitehouse Sta. G. Davis, Whitehouse Sta., engr.

Pa., Carbondale—Plans repaving South Main and Pike Sts. $8,000, North Main St. $7,500, 6th Ave. $3,000; paving River and Dundaff Sts. $20,000, North Church St. $10,000. W. L. Giles, city engr.

Pa., New Castle—Plans paving Montgomery Ave. between Atlantic Ave. and Mahoningtown. To exceed $25,000. Engineer not announced.

Pa., Wesleyville—Plans grading and paving 2,260 ft. Euclid Blvd. $25,000.

W. Va., Charleston—City Council takes bids about Nov. 15, paving 1¼ mi. Park Dr., Morris and Lee Sts., 24 ft. $55,000. E. Bruce, 1222 Lee St., engr.

Fla., Monticello — Dec. 12, to vote on bonds to pave 12,000 yd., type of pavement not decided. W. A. Smith, Huntington, W. Va., consult. engr. This corrects report in Sept. 21 issue.

Fla., Plant City—Plans to vote on $65,000 bonds paving Baker, Mahoney, Walker, Howard, Davis, Haines, Cherry, Franklin and Saunders Sts. G. B. Wells, city atty.

Fla., Sebring—Highlands Co. having preliminary plans prepared surfacing with 5 or 6 in. rock on 5 mi. road from Sebring via O'Berrys to Hardee Co. line, $25,000; surfacing with conglomerate material to be dredged from canal, 18 in. thick, 23 mi. road from Lake Annie to Kissimmee River, $200,000; grading and claying with probably 5 to 10 mi. fill, 30 mi. road from De Soto City or Sebring to Bassenger; 6 in. compacted rock base and probably asphalt surface 45 mi. road from Polk Co. to Glades Co. via Avon Park, Sebring, Venus, etc., $300,000. W. C. Peacock, Sebring, engr.

O., Dayton—Montgomery Co. plans paving 4 mi. Dayton-Greenville Pike also 4 mi. Germantown-Middletown Pike, 18-20 ft., 90,000 sq.yd. concrete or brick. $160,000. W. O. Pease, co. surv.

Michigan—State Hy. Dept., Lansing, rejected bids Oct. 5, grading 5.38 mi. State Trunk Line Rd. 18-13, Midland Co. Will readvertise. Noted Sept. 28.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and surfacing 8 mi. State Trunk Line Rd. 15-12, Menominee Co., waterbound macadam or gravel, 16 ft., 4 mi. State Trunk Line Rd. 10-33, Sect. A, Cheboygan Co., gravel, 16 ft., gravel surfacing 5½ mi. State Trunk Line Rd. 19-2, Sect. A, Sanilac Co., 16 ft. F. F. Rogers, state highway comr.

Mich., Detroit—Plans paving with 3½ in. sheet asphalt on 8 in. concrete, with Amherst or Berea curbstone, 9,450 sq.yd. Davison Ave. from Conant Ave. to Six Mile Rd., 46 ft., $47,280, 1,840 sq.yd. Reeder Ave. from Junction to Campbell Sts., 26 ft., $9,230, 2,590 sq.yd. Goddard Ave. from Six Mile Rd. to Stender Ave., 26 ft., $12,980, 6,000 sq.yd. Dumbarton Rd. from Ely to Grand River Aves., 30 and 36 ft., $30,310. J. W. Reid, city engr.

Mich., Grosse Pointe Park (Detroit P. O.) —Had plans prepared paving 1,500 ft. Somerset Rd. from Waterloo to Mack Aves., 4,000 sq.yd. sheet asphalt, asphaltic concrete or Willite, 3,000 lin.ft. concrete curbing. $25,000. C. H. Marden, 502 Whitney Office Bldg., Detroit, engrs.

Kan., Garden City—Comrs. Finney Co. and City Council soon take bids concrete paving, curbing and guttering 0.933 mi. Santa Fe Trail and various city streets, 18 ft. $40,000. B. Allen, co. engr.

Kan., Garden City — Finney Co. had plans prepared concrete paving, curbing and guttering 0.846 mi. Great Plains Highway, 18 ft. $40,000. B. Allen, co. engr.

Kan., Independence—Comrs. Montgomery Co. soon take bids constructing 4.51 mi. Independence-Caney Rd., 18 ft., gravel or bituminous macadam. $140,000. H. K. Hibbard, co. engr.

Kan., Kansas City—Wyandotte Co. rejected bids concrete paving 1.027 mi. Golden Belt Rd., 18 ft. Will readvertise in spring. O. K. Williamson, Court House, co. engr. Noted Sept. 28.

Kan., Topeka—Comrs. Shawnee Co. soon take bids constructing 4.016 mi. road from Meriden Spur to Capitol Highway, 18 ft., concrete, brick or bituminous macadam, $160,000; 4.03 mi. Capitol Highway, 18 ft., concrete, brick or bituminous macadam. A. C. Lagerwall, co. engr.

Kan., Wichita—Comrs. Sedgwick Co. soon take bids constructing 10.8 mi. North Lawrence Ave., 18 ft., concrete or brick. $450,000. M. Roseberry, co. engr.

S. D., Sioux Falls—Plans paving and curbing 5 blocks 15th St. from Duluth to Grange Aves., grading 10 blocks Grange Ave. from 12th to 22nd Sts., 3 blocks Main Ave. from 26th to 29th Sts., paving alley in Block 3, Bennett 1st. addition. $30,000. W. C. Leyse, city aud.

Mo., St. Louis—Bd. Pub. Serv., City Hall, is receiving preliminary estimates on 541,758 sq.yd. paving and 110,757 cu.yd. grading. $2,387,415. Bids will be received within next 3 months. W. M. Horner, City Hall, engr.

Tex., Houston—City Council rejected bids street paving. $160,000. Will readvertise later. J. C. McVey, co. engr.

Tex., Laredo—Had plans prepared grading, curbing and paving 8 mi. various streets, 26, 28 and 30 ft., bituminous top on 6 in. concrete. $600,000. S. F. Crecelius, Laredo, engr.

Tex., McKinney—Rd. Dist. 4, McKinney Precinct, Collin Co. voted $450,000 bonds for road and highway improvements, incl. Henry Exall Highway. F. W. Cawthon, co engr. Noted Sept. 7.

Calif., San Francisco — City and San Francisco Co. had plans prepared improving Vicente St. between Forestside and 19th Aves., 19,592 cu.yd. cut, 8,225 cu.yd. fill, 1,865 lin.ft. 8-18 in. ironstone [illegible] Se-Wers, 3,240 lin.ft. concrete curb, 93,1[illegible] sq.ft. asphaltic concrete pavement, 3,10[illegible] sq.ft. artificial stone walks, etc. $59,5[illegible] M. M. O'Shaughnessy, city engr.

Que., Montreal—Plans asphalt [illegible] pavements on 3,200 ft. Place D'Youville [illegible] McGill St. to Place Royale, 34 to 106 [illegible] $69,888. 1,025 ft. Marguerite Bourgeoys St. from Wellington to Favard Sts., 30 [illegible] $13,249; 1,745 sq.yd. asphalt and 1,630 sq.yd. block, Osborne St. from Windsor to Mountain Sts., $26,570; concrete sidewalks 1,12[illegible] ft. Boyer St. from DuRosaire to Jarry Sts., 5 ft., $4,965, 1,391 ft. Montgomery St. from Hochelaga to Sherbrooke Sts., 5 ft., $6,908. 810 ft. Clarke St. from Mozart to Baby Sts., 5 ft., $3,883, 673 ft. Charlemagne St. from Masson to Vermette Sts., 5 ft., $2,723. 1,896 ft. De Razilly St., from Jolicoeur to Allard Sts., 5 ft., $6,285, 3,180 ft. Grand Ave. from Waverly to Baby Sts., 5 ft., $12,595, 1,677 ft. Des Ormeaux St. from Notre Dame to Honfleur Sts., 5 ft., $10,092, 1,827 ft. Hochelaga St. from Frontenac to Wurtele Sts., 5 ft., $7,650, 2,081 ft. Notre Dame St. from St. Francis Xavier to McGill Sts., 6.25 to 10 ft., $10,335, 3,170 ft. Laverdure St. from existing sidewalk to Lamarche St., 5 ft., $16,566, 2,109 ft. Laverdure St. from Kelly St. to Lot 256-47, 5 ft., $9,556, 7,384 ft. De La Roche St. from Gouin Blvd. to city limits, 5 ft., $25,938, cement slab sidewalks 280 ft. Cote St. Michel Rd. from Boyer to St. Hubert Sts., 4 ft., $254; cement flag sidewalks 13,048 ft. Greenshields St. from Beaumont St. to Cremazie Blvd., 4 ft., $10,318, 1,650 ft. De Lanaudiere St. from DeCastleneau to Villeray Sts., 4 ft., $1,348, 496 ft. Delormier St. from Des Carrieres Rd. to Rosemount Blvd., 4 ft., $408, 1,089 ft. Gertrude St. from Fabre St. to Delormier Ave., 4 ft., $893, 2,137 ft. Hanatoux St. from Fabre St. to Delormier Ave., 4 ft., $1,733, 999 ft. 42nd Ave. from Peloquin to Sacred Heart Sts., 4 ft., $809, 499 ft. Desjardins St. from Rosemount Blvd. to Bellechasse St., 4 ft., $400, 1,200 ft. 5th Ave. from Rosemount Blvd. to Civic 100-830, 4 ft., $963, 600 ft. De Castleneau St. from DeLanaudiere to De La Roche Sts., 4 ft., $524. H. A. Terreault, dir. pub. wks.

Ont., Toronto — York Twp. soon takes bids paving 1,900 lin.ft., Lauder Ave., 24 ft. asphalt on concrete. $25,000. F. Barber, 40 Jarvis St., engr.

BIDS DESIRED

N. Y., Brooklyn—Oct. 19, by E. Riegelmann, boro pres., Boro Hall, grading, curbing and flagging Clinton Pl., Kings Highway, Rutland Rd., Ave. H, Bay Ridge and Narrows Aves., East 19th, 58th and 76th Sts., 77th St. from 16th to New Utrecht Aves., 77th St. from 18th to 19th Aves.; paving with asphalt Clinton Pl., Kings Highway, Ave. R, Rutland Rd., East 8th St. from Ocean Parkway to Caton Ave., East 8th St. from Ave. K to Ave. M, East 12th, East 37th, Arc, 78th, 86th and 83rd Sts., 77th St. from 16th to New Utrecht Aves., 77th St. from 18th to 19th Sts., Kingston, Midwood and Snediker Aves.; paving and repaving with asphalt 88th St., curbing and paving with asphalt East 7th, Newport and Montgomery Sts.; grading, curbing and paving New Utrecht Ave., permanent asphalt; sodding, curbing and flagging, etc. 76th St.

N. Y., New York — Oct. 19, by Dept. Parks, Municipal Bldg., furnishing and setting curb-stones and paving with sheet asphalt Morningside Dr. between 110th and 122nd Sts.

N. Y., St. George — Oct. 17, by J. A. Lynch, pres. Richmond Boro, repaving Castleton Ave. from Bard to Burgher Aves., Castleton Ave. from Bard to Cebra Aves. also Richmond Ave., etc., bituminous concrete.

New Jersey—Oct. 24, by State Hy. Dept., Trenton, 8 in. gravel surfacing Route 4, Sect. 7-A, New Gretna Alternate, Burlington Co. A. L. Grover, ch. clk.; adv. this issue.

Md., Baltimore—Oct. 26, by W. F. Broening, pres. Bd. of Awards, grading, curbing and paving with cement concrete, 1-2-4, and old granite block, Weaver, Arabia, Batavia, and Lanrate Sts., Cottage, Glyndon and Tyndale Aves., and Oakley, Harcourt and Canterbury Rds., Contract 227-OC-OA-NA. 920 sq.yd. old granite block, 13,150 sq.yd. concrete, 1210 lin.ft. old stone curbing, 2,485 cu.yd. earth excav., etc.; paving with sheet asphalt, 1½ x 1½ on 6 in. concrete Kenoak Ave. from Old Pimlico Rd. to Hilltop Rd., and Hilltop Rd. from Kenoak to South Aves., 7,780 sq.yd. sheet asphalt, 1,030 sq.yd. sheet asphalt, railway area 7,800 lin.ft. unarmoured concrete curbing. R. K. Compton, 214 East Lexington St. engr. Noted Sept. 7.

West Virginia—Oct. 20, by State Rd. Comn., Charleston, gravel surfacing 1.9 mi. River Rd., Project 58, Pleasants Co. 16 ft., $50,000; shale surfacing 2.5 mi.

Streets and Roads (Continued)

Northwestern Turnpike, Project 3,010. Mineral Co., 18 ft., $60,000 2.5 mi. Northwestern Pike, Project 3,010 B, Morgan Co., 16 ft., $25,000; paving with slab waterbound macadam 1 mi. Sisterville-Middlebourne Rd., Project 3,197, Tyler Co., 16 ft., $35,000; grading and rock asphalt paving 3 mi. Welch-Coalwood Rd., Project 3,153, McDowell Co., 16 ft., $100,000. G. H. Hill, 311 Broad St., Charleston, engr.

North Carolina—Oct. 25, by State Hy. Comn., Raleigh, hardsurfacing Projects 101, 105A, and 105B, Beaufort Co., 113B, Chowan Co., 220 and 282 Duplin and Wayne Counties, 901 Buncombe Co.; topsoil, sand-clay or gravel surfacing Project 133 Gates and Pasquotank Counties, Project 152 Hyde Co.; bridge Project 254 Lenoir and Pitt Counties; adv. this issue.

Florida—Oct. 18, by State Hy. Dept., Tallahassee, improving 11.6 mi. sect. Rd. 1, between Lake City and Welborn, Columbia and Suwannee Counties, alternate proposals on 2½ in. penetration macadam on 8 in. rock, 3 in. asphalt with binder course on 8 in. rock, 6 in., 8 in., 6 in. plain concrete. W. F. Cocke, state highway engr.

Fla., Titusville—Oct. 16, by Bd. Comrs. Brevard Co., improving 2 sections State Rd. 4, 7.25 mi. between Sharpes and Titusville, and 7.01 mi. between Bonaventure and Eau Gallie, alternate proposals on following classes of 18 ft. paving, 2½ in. penetration macadam on 8 in. rock, 3 in. asphalt with binder course on 8 in. rock, 6 and 8 in. plain concrete surface. E. C. Johnson, chn.

Fla. Wauchula—Oct. 18, by Comrs. Hardee Co., laying marl on rock roads and oiling surfacing 6 mi. road from Buchanan eastward; 22 mi. Dixie Highway from Polk Co. to De Soto Co. via Bowling Green and Wauchula; 13 mi. from Zolfo Springs to Crewsville; 8 mi. from Ft. Green to Bowling Green; 7 mi. from Zolfo Springs to Ona Rd.; 7 mi. from Limestone to Lilly; 11 mi. from Ona to Limestone; 16 mi. from Wauchula to Highlands Co. line. H. S. Jaudon Eng. Co., Elberton, Ga., engrs. Noted Sept. 21.

Tennessee—Oct. 27, by State Hy. Dept., Nashville constructing 10.75 mi. road between Wilson Co. line and Carthage, Federal Aid Project 68, 16 ft., incl., 41,260 cu.yd. common, 23,733 cu.yd. solid rock, 52,920 cu.yd. borrow and 258 cu.yd. dry excav., 5,425 sq.yd. scarifying, 104,008 sq.yd. hand placed course stone base "C", 504.05 cu.yd. concrete, 52,569 lb. deformed steel bars, etc.; 8.01 mi. road between Tiptonville and point 5 mi. west of Hornbeak, Federal Aid Project 71, Lake and Obion Counties, 16 ft., 26,619 cu.yd. common and 2,881 cu.yd. borrow excav., 10,480 sta. yd. overhaul, 75,176 sq.yd. 7 in. one course gravel surface, 283.48 cu.yd. concrete, 25,500 sq.yd. grassing slopes, etc., bridge over 20 ft. span at sta. 306-56. D. Q. McComb, Nashville, ch. engr.

Wis., Milwaukee—Oct. 31, by H. Bleyer, secy. Harbor Comn., City Hall, grading area north of harbor entrance, alternate bids on 75,000 cu.yd. and 122,000 cu.yd. grading. F. A. Kaiser, c/o owner, engr.

Kan., Mound City—Oct. 23, by Comrs. Linn Co. grading and bridge abutments on 3.056 mi. La Cygne-Pleasanton Prescott Rd., Project 132, Sect. A, 29½ ft. grading $30,000 bridge abutments $20,000; 5.735 mi. La Cygne-Pleasanton-Prescott Rd., Project 109-B, 29½ ft., grading $85,000 bridge abutments for 4 bridges $25,000. C. E. Kinney, co. engr.

Missouri—Oct. 20, by State Hy. Dept. at div. office Greenfield, 4.029 mi. road from Greenfield south and west, 12 ft., Federal Aid Project 159 A, Dade Co., 15,229 cu.yd. earth and 297 cu.yd. rock excav., 3,050 cu.yd. borrow, 125.4 cu.yd. concrete masonry, 28,481 sq.yd. specification C gravel pavement, 12 ft. wide, 7 in. at center, 4 in. at edges, etc. B. H. Piepmeier, Jefferson City, state highway engr.

Missouri—Oct. 20, by State Hy. Dept. at div. office Ironton, 11.26 mi. road from Ironton to Potosi, 24 ft., Federal Aid Project 107 A, Iron Co., 30,717 cu.yd. earth and 1,673 cu.yd. rock excav., 27,549 cu.yd. borrow, 536.7 cu.yd. concrete masonry, etc.; 0.975 mi. road from Ironton to Potosi, 16 ft., Federal Aid Project 107 B, Iron Co., 1,767 cu.yd. earth excav., 538 cu.yd. borrow, 9,156 sq.yd. reconstructed cu.yd. borow, 125.4 cu.yd. concrete material for base course, 9,156 sq.yd. specification A bituminous macadam, 45 cu.yd. concrete masonry, etc. B. H. Piepmeier, Jefferson City, state highway engr.

Missouri—Oct. 20, by State Hy. Dept. at div. office Platte City, 13.687 mi. road from Platte City southeastwardly, 24 ft., Federal Aid Project 96, Platte Co., 90,773 cu.yd. earth and 4,300 cu.yd. rock excav., 13,649 cu.yd. borrow, 435.4 cu.yd. concrete masonry, etc. B. H. Piepmeier, Jefferson City, state highway engr.

Missouri—Oct. 23, by State Hy. Dept., at div. office Ozark, 4.507 mi. road from Springfield to Hollister, 24 ft., State Aid Project 20.213 Christian Co., 22,416 cu.yd. earth excav., 2,611 cu.yd. borrow, 259.3 cu.yd. concrete masonry, etc. B. H. Piepmeier, Jefferson City, state highway engr.

Utah—Oct. 18, by State Rd. Comn., Salt Lake City, grading and hardsurfacing with 2 in. bitulithic on 6 or 7½ in. concrete, 4.5 mi. highway, 18 ft., from Brigham to Corinne, Federal Aid Project 38 A, Boxelder Co., $157,500. H. C. Means, state highway engr.

BIDS RECEIVED

Connecticut—State Hy. Dept., Hartford, opened bids Sept. 26, paving 26,256 ft. Housatonic River Rd., 18 ft., in Kent, 10,820 cu.yd concrete, 8,840 cu.yd. earth and 1,230 cu.yd. rock excav., 13,700 cu.yd. borrow, from Mascetti & Holley, 561 South Main St., Torrington, $125,818; Osborne & Barnes, Odd Fellows Bldg., Danbury, $145,665, C. W. Blakeslee & Sons, 58 Waverly St., New Haven, $157,298, cement furnished by State, $38,000; 17,150 ft. New Haven-New London Rd., 18 ft., in Branford, 8,620 cu.yd. concrete, 1,840 cu.yd. earth and 600 cu.yd. rock excav., 16,400 cu.yd. borrow, from A. D. Bridges Sons, Inc., Hazardville, $106,451, Sperry Eng. Co, 82 Church St., New Haven, $116,541, C. W. Blakeslee & Sons, 58 Waverly St., New Haven, $117,010, cement furnished by State $25,000. Noted Sept. 14.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Oct. 4, repaving (1) Furman St. proposition 1 (2) Furman St. proposition 2, (3) Flatbush Ave. extension, (4) South 9th St., all foregoing grade 1 granite, (5) roadway of Neptune Ave., (6) roadway of Utica Ave., both asphalt on 6 in. concrete, from M. J. O'Hara Contg. Co., 717 65th St., (1) $94,080 (2) $99,970 (3) $16,370; Leonard Paving Co., 233 Bway., New York, (1) $94,199 (2) $100,618; F. Gallagher, 490 Park Pl., (1) $94,772 (2) $101,508; Utilities Contg. Co., (3) $12,389; M. I. Sax, (3) $13,531; F. Donovan, (4) $4,749; T. B. Scott, 671 Halsey St., (4) $4,895; C. Gallagher, 745 Dean St., (4) $5,262; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (5) $54,942; Boro Asphalt Co., 1301 Metropolitan Ave., (5) $55.841 (6) $13,588; Cranford Co., 152 9th St., (5) $56,227 (6) $15,042; Cleveland Trinidad Paving Co., Flushing, (6) $15,136. Noted Sept. 28.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, opened bids Oct. 5, repaving (1) roadway of Washington Ave. (2) roadway of Henderson Ave., bituminous concrete, from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, (1) $20,625, (2) $26,402; W. P. McDonald Sons, 17 West 42nd St., New York, (1) $21,490, (2) $26,937; J. Johnson Sons, 455 Bway., West New Brighton, (1) $25,060, (2) $31,133. Noted Sept. 28.

La., New Orleans—Opened bids Sept. 19 paving 55 streets. Unit prices will be published in Oct. 19 issue. Noted July 6.

O., Cleveland—Cuyahoga Co. opened bids Sept. 30, paving Chagrin River Rd., 2,900 lin.ft. 4 in. concrete gutter, 17,000 lin.ft. earth excav., 1,050 sq.yd. penetration concrete, 16,300 sq.yd. Kentucky rock asphalt and 16,300 sq.yd. 4 or 5 in. waterbound macadam, engrs. est. $73,260, from Romono Bros., c/o Pavers Exch., Society for Savings Bldg., $58,403 and $71,503; O. C. Scott, Chagrin Falls, $60,610 and $70,805. Noted Sept. 21.

O., Cleveland—Cuyahoga Co. opened bids Sept. 30, paving Noble Rd., 24,600 lin.ft. stone curb, 26,000 lin.ft. 4 in. vitr. tile gutter, 24,000 cu.yd. earth excav., 37,400 sq.yd. vitr. brick, 39,400 sq.yd. asphalt, 9,800 cu.yd. concrete base, engrs. est. $274,075, from Cleveland Trinidad Paving Co., The Arcade, $285,735, River Constr. Co., Schofield Bldg., $288,940, General Asphalt Paving Co., Cleveland, (street address not available), $289,648; Hilliard Rd., 7,650 lin.ft. stone curb, 12,090 cu.yd. earth excav., 21,000 sq.yd. vitr. brick, 20,000 sq.yd. asphalt on concrete, (a) brick, (b) asphalt, engrs. est. $124,000, from Highway Constr. Co., Elyria, (b) $114,420, River Constr. Co., Schofield Bldg., (a) $116,128, Gould & Maybach, 823 East 140th St., $118,398. Noted Sept. 21.

O., Greenville—W. R. Hawkins, dir. Pub. Serv., opened bids Sept. 29, paving Wayne Ave. from 5th to Sater Sts., 30 ft., 9,640 sq.yd. brick on concrete, from W. Tice, Greenville, $36,065; McHugh Bros., Springfield (street address not available), $43,365; E. E. Studebaker, Greenville, $57,366.

Michigan—State Hy. Dept., Lansing, grading and surfacing 10.514 mi. Assessment Dist. Rd. 444, Genesee and Lapeer Counties, from J. Caldwell, Columbiaville, $81,721; Saginaw Constr. Co., Saginaw, $93,349; J. A. McKay & Son, Detroit (street address not available) $98,933 Noted Sept. 21.

Michigan—State Hy. Dept., Lansing, opened bids Sept. 28, grading and surfacing 1.386 mi. State Trunk Line Rd. 35-9 Gladstone Co., from Nebel Bros., Gladstone, $21,894; Delta Contg. Co., Escanaba, $23,573. Noted Sept. 21.

Michigan—State Hy. Dept., Lansing, opened bids Sept. 29, grading 8.612 mi. Federal Aid Project 87, Wayne Co., from Fonty & Wolcott, Delta, O., $42,684; Colman & Harding, Detroit, (street address not available), $44,197; Hull & Donaldson, Dryden, $44,691. Noted Sept. 21.

Michigan—State Hy. Dept., Lansing, opened bids Oct. 1, grading and gravel surfacing 7.98 mi. Assessment Dist. Rd. 384, Ionia and Eaton Counties, from C. Barber, Cressy, $46,967; C. W. McCreery, Ovid, $48,374; J. F. Curtis, Bellevue, $50,469. Noted Sept. 21.

Mich., Detroit—Paving with one course concrete (1) 2,000 sq.yd. Alley 1577 (2) 2,600 sq.yd. Alley 1578 (3) 550 sq.yd. Alley 1579 (4) 550 sq.yd. Alley 1580 (5) 800 sq.yd. Alley 1581 (6) 550 sq.yd. Alley 1582 (7) 870 sq.yd. Alley 1583 (8) 1,500 sq.yd. Alley 1584 (9) 1,500 sq.yd. Alley 1585 (10) 1,600 sq.yd. Alley 1586 (11) 800 sq.yd. Alley 1587 (12) 520 sq.yd. Alley 1588, from Otis Cement Constr. Co., 806 Hammond Bldg., (1) $5,630 (2) $7,239 (3) $1,542 (4) $1,579 (5) $2,112 (6) $1,831 (7) $2,376 (8) $4,205 (9) $3,980 (10) $4,611 (11) $2,259 (12) $1,838; R. J. Powelson Co., 6445 Iroquois Ave., (1) $5,472 (2) $7,239 (3) $1,568 (9) $4,086 (10) $4,535 (11) $2,300 (12) $1,873; J. Porath, 34 McGraw Bldg., (1) $5,738 (2) $7,160 (8) 4,153; H. Mincel, 4573 Cooper St., (3) $1,529 (4) $1,575 (5) $2,097 (6) $1,819 (7) $2,350; A. F Lester, 309 Sun Bldg., (4) $1,566 (5) $2,083 (6) $1,806; G. Nunn, 6409 3rd Ave., (7) $2,349 (8) $4,230 (10) $4,507 (11) $2,226.

Missouri—State Hy. Dept., Jefferson City, opened bids Sept. 29, (1) 7.523 mi. road from Warrenton to St. Charles, 18 ft., State Project Route 2, Sects. 72 and 73, St. Charles Co., (2) 12.452 mi. road from Warrenton to St. Charles, 18 ft., State Project Route 2, Sects. 70, 72 and 73, St. Charles Co., (3) 18.255 mi. road from St. Charles to Warrenton, 18 ft., State Project 2, Sects., 66, 67, 72 and 73, St. Charles Co., (4) 5.803 mi. road from St. Charles to Warrenton, 18 ft., State Project Route 2, Sects. 66 and 67, St. Charles Co., (5) 8.594 mi. State Project Route 1, Sects. 41 and 42, 18 ft., Clay Co., from Godfrey-Meeker, St. Louis (street address not available) (1) $279,658 (3) $637,458; Carterville Constr. Co., Carterville, (2) $515,192 (3) $701,667 (4) $201,729; Moreno Burkham Constr. Co., Syndicate Trust Bldg., St. Louis, (3) $676,000; W. D. Lonergan Constr. Co., New Madrid, (4) $184,203; Keeley Bros. Constr. Co., East St. Louis, Ill., (4) $184,873; Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., (5) $343,000; Koss Constr. Co., 2818 5th Ave., Des Moines, Ia., (5) $344,606. Noted Sept. 21.

Missouri—State Hy. Dept., Jefferson City, opened bids Sept. 28, (1) 4.457 mi. road from North Kansas City to Gashland, 18 ft., State Project Route 1, Sect 42, Clay Co., 24,993 cu.yd. earth and 8,742 cu.yd. rock excav., 10,163 cu.yd borrow, 47,066 sq.yd. part cement concrete pavement, 3,100 lin.ft. concrete gutter, 316.2 cu.yd. concrete masonry, etc. (2) 4.469 mi. road from Houston to Phelps Co. line, 24 ft., State Project Route 7, Sect. 78, Texas Co., 13,305 cu.yd. earth excav., 726 cu.yd. borrow, 123 cu.yd. concrete masonry, etc. (3) 3.163 mi. road from Springfield to Memphis, 16 ft., State Project Route 16, Sect. 37, Wright Co., 13,168 cu.yd. earth and 540 cu.yd. rock excav., 660 cu.yd. borrow, 8,763 cu.yd. 1 course gravel surface ¼ mi. haul, 262,632 cu.yd. gravel additional ¼ mi. haul, etc. (4) 4.929 mi. road from Warrensburg to St. Charles, 18 ft., State Project Route 2, Sect. 70, St. Charles Co., 48,262 cu.yd. earth excav., 51,741 sq.yd. concrete pavement, 279 cu.yd. concrete masonry, etc., (5) 3.166 mi. road from Warrenton to St. Charles, 18 ft., State Project Route 2, Sect. 66, St. Charles Co., 19,243 cu.yd. earth excav., 7,700 cu.yd. borrow, 33,432 sy.yd. cement pavement, 216.3 cu.yd. concrete masonry, etc., (6) 4.137 mi. road from North Kansas City to Gashland, 24 ft., State Project Route 1, Sect. 41, Clay Co., 24,474 cu.yd. earth excav., 4,687 cu.yd. borrow, 43,686 sq.yd. part cement and concrete pavement, 254.7 cu.yd. concrete masonry, etc., (7) 4.636 mi. road on Kings Highway, 16 ft., State Project Route 25, Sect. 12, Perry Co., 13,681 cu.yd. earth excav., 13,341 cu.yd. gravel, furnished at siding, 13,341 cu.yd. 1 course gravel surface ¼ mi. haul, 96,216 cu.yd. gravel additional ¼ mi. haul, etc., (8) 2.958 mi. road east and west of State Road, 18 ft., State Project Route 10, Sect. 26, Charlton Co., 20,509 cu.yd. earth excav., 8,434 cu.yd.

Streets and Roads (Continued)

sledged stone base, 8,434 cu.yd. sledged stone base ½ mi. haul, 101,217 cu.yd. sledged stone base additional ½ mi. haul, 937 cu.yd. waterbound macadam, 937 cu.yd. waterbound macadam ½ mi. haul, 11,246 cu.yd. waterbound macadam additional ½ mi. haul, 3,514 cu.yd. crushed stone quarry, 3,514 cu.yd. crushed stone ½ mi. haul, 42,174 cu.yd. crushed stone additional ½ mi. haul, 73,414 gal. bituminous binder refined tar, 163.4 cu.yd. concrete masonry, etc., (9) 4,943 mi. road from Nevada to Eldorado Springs, 24 ft., State Project Route 26, Sect. 6, Vernon Co., 14,160 cu.yd. earth excav., 1,009 cu.yd. borrow, 2,562.8 cu.yd. concrete masonry, etc., (10) 2,637 mi. road from Warrenton to St. Charles, 24 ft., State Project Route 2, Sect. 67, St. Charles Co., 15,091 cu.yd. earth excav., 3,371 cu.yd. borrow, 1,507 cu.yd. concrete masonry, 27,848 sq.yd. concrete pavement 18 ft. wide, etc. (11) 4,886 mi. road from Raymondville northward, 24 ft., State Project Route 7, Sect. 77, Texas Co., 19,482 cu.yd. earth and 1,320 cu.yd. rock excav., 490 cu.yd. sub base, 184.9 cu.yd. concrete masonry, etc., (12) 2,216 mi. road from Mt. Sterling to Rosebud, 24 ft., State Project Route 12, Sect. 44, Gasconade Co., 8,969 cu.yd. earth and 1,673 cu.yd. rock excav., 159.7 cu.yd. concrete masonry, etc., (13) 0.341 mi. road on Kings Highway, 26 ft., State Project Route 25, Sect. 22, Cape Girardeau Co., 2,493 cu.yd. earth excav., etc., (14) 5 mi. road from Versailles to Linn Creek, 12 ft., State Project Route 5, Sect. 56, Morgan Co., 264 cu.yd. grading per 100 ft. station, 10,275 cu.yd. 1 course gravel surface ½ mi. haul, 56,646 cu.yd. gravel additional ½ mi. haul, 10,275 cu.yd. screening gravel, etc., (15) 3.783 mi road from Warrenton to St. Charles, 18 ft., State Project Route 2, Sect. 73, St. Charles Co., 31,895 cu.yd. earth excav., 880 cu.yd. borrow, 39,660 sq.yd. part cement concrete pavement, 2,000 lin. ft. concrete gutter, 253.1 cu.yd. concrete masonry, etc., (16) 4.943 mi. road to Humansville, northwardly and southwardly, 24 ft., State Project Route 13, Sect. 46, Polk Co., 13,285 cu.yd. earth excav., 10,556 cu.yd. 1 course gravel surface ½ mi. haul, 34,820 cu.yd. gravel additional ½ mi. haul, 10,556 cu.yd. screening gravel, etc. (17) 1.687 mi. road from Monett to Springfield, State Project 16, Sect. 19, Lawrence Co., 16,312 cu.yd. earth excav., 17,873 sq.yd. part cement concrete pavement, 117.6 cu.yd. concrete masonry, etc. (18) 2.764 mi. road from Mexico eastwardly, 24 ft., State Project Route 22, Sect. 9, Audrain Co., 8,239 cu.yd. earth excav., 7,917 cu.yd. 1 course gravel furnished at siding, 7,917 cu.yd. gravel surface ½ mi. haul, 55,513 cu.yd. gravel additional ½ mi. haul, etc. (19) 3.22 mi. road from Novinger westwardly, 14 ft., State Project Route 6, Sect. 38, Adair Co., 16,301 cu.yd. earth excav., 9,299 cu.yd. 1 course gravel furnished at siding 9,299 cu.yd. surface ½ mi. haul, 118,817 cu.yd. gravel additional ½ mi. haul, etc. (20) 4.928 mi. road on Kings Highway, 26 ft., State Project 25, Sect. 20, Cape Girardeau Co., 34,915 cu.yd. earth and 2,062 cu.yd. rock excav., 169.4 cu.yd. concrete masonry, etc. (21) 4.377 mi. road on Kings Highway, 26 ft., State Project 25, Sect. 21, Cape Girardeau Co., 30,674 cu.yd. earth excav., 123.7 cu.yd. concrete masonry, etc. (22) 2.569 mi. road through Edinburg Special Rd. Dist., 18 ft., State Project Route 6, Sect. 22, Grundy Co., 12,093 cu.yd. earth excav., 7,325 cu.yd. sledged stone base, 7,325 cu.yd. sledged stone base ½ mi. haul, 121,998 cu.yd. sledged stone base additional ½ mi. haul, 813 cu.yd. waterbound macadam, 813 cu.yd. waterbound macadam ½ mi. haul, 13,543 cu.yd. waterbound macadam additional ½ mi. haul, 3,052 cu.yd. crushed stone furnished at quarry, 3,052 cu.yd. crushed stone ½ mi. haul, 50,786 cu.yd. crushed stone furnished additional ½ mi. haul, etc. (23) 4.789 mi. road east and west through Shannon Co., 24 ft., State Project Route 2, Sect. 60, Shannon Co., 39,277 cu.yd. earth excav., 13,933 cu.yd. 1 course gravel surface ½ mi. haul, 73,754 cu.yd. gravel additional ½ mi. haul, 73,933 cu.yd. screening gravel, 189.9 cu.yd. concrete masonry, etc. (24) 1.657 mi. road from Monticello eastwardly, 24 ft., State Project Route 6, Sect. 60, Lewis Co., 10,819 cu.yd. earth excav. 4,770 cu.yd. gravel at siding, 4,770 cu.yd. 1 course gravel surface ½ mi. haul, 237,989 cu.yd. gravel additional ½ mi. haul, 106.8 cu.yd. concrete masonry, etc. (25) 4.931 mi. road from Alton eastwardly, 24 ft., State Project Sect. 4, Oregon Co., 40,078 cu.yd. earth excav., 125 cu.yd. borrow, 239.1 cu.yd. concrete masonry, etc. (26) 2.36 mi. road from Loose Creek eastward and westward, 16 ft., State Project Route 7, Sect. 38, Osage Co., 15,960 cu.yd. earth and 1,767 cu.yd. rock excav., 6,956 cu.yd. gravel surface course, ½ mi. haul, 41,867 cu.yd. gravel additional ½ mi. haul, etc. (27) 3.74 mi. road from Warrenton to St. Charles, 24 ft., State Project Route 2, Sect. 72, St. Charles Co., 25,461 cu.yd. earth excav., 13,100 cu.yd. borrow, 39,430 sq.yd. concrete pavement, 18 ft. wide, 7½ in. at edges, etc. (28) 4.018 mi. road from Fremont westwardly, 24 ft., Carter Co., 26,675 cu.yd. earth excav., 11,692 cu.yd. 1 course gravel surface ½ mi. haul, 123,041 cu.yd. gravel additional ½ mi. haul, 11,692 cu.yd. screening gravel, etc., from

Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., (1) $190,824 (6) $150,185.

Koss Constr. Co., 2818 5th Ave., Des Moines, Ia., (1) $190,869.

J. O. Patterson, 311 Ridge Bldg., Kansas City, (1) $192,798.

Cooper Constr. Service Co., St. Louis (street address not available), (2) $9,113 (11) $21,167 (12) $11,692 (23) $44,806 (28) $38,353.

Summerfield-Jones Co., Springfield (street address not available), (3) $39,959.

M. E. Gillioz, Monett, (3) $44,893 (7) $53,512 (14) $19,093 (16) $30,590 (17) $64,441.

E. A. Luck, Black Rock, Ark., (3) $84,188.

Godfrey-Meeker, St. Louis (street address not available), (4) $178,490 (5) $102,349 (10) $82,962 (15) $148,048 (27) $139,610.

Moreno-Burkham Constr. Co., Syndicate Trust Bldg., St. Louis, (4) $200,386 (5) $103,843 (10) $81,782 (27) $146,100.

Unit Constr. Co., Title Guaranty Bldg., St. Louis (4) $211,736 (15) $157,443 (27) $159,824.

Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, (5) $130,140.

P. P. Young, R.F.D. 6, St. Joseph, (6) $155,970.

Cook-O'Brien Constr. Co., 305 Ry. Exch. Bldg., Kansas City, (6) $164,511 (9) $16,241.

G. P. O'Reilly & Co., St. Louis (street address not available), (7) $43,006 (13) $2,195 (18) $48,902 (21) $14,495.

Kiefner Mecker-Geile & Endres, Perryville, (7) $46,556.

E. C. Johnson, Carrollton, (8) $90,365.

Moss & Moss, Nevada, (9) $14,430.

Easley Bros., Aurora, (9) $15,755 (16) $38,594.

W. D. Lonergan Constr. Co., New Madrid, (10) $82,438.

Doehla & Kolkmeyer, Jefferson City, (12) $11,152 (26) $19,253.

J. P. Sparks, Washington, (12) $11,882.

Vandivort, Hartle & Bedwell, Jackson, (13) $1,265 (20) $21,147 (21) $13,086.

L. Penzel, Jackson, (13) $1,318 (20) $20,953.

Wassman Constr. Co., Kansas City (street address not available), (14) $16,107.

Felix Kersting Co., Jefferson City, (14) $23,229 (26) $23,243.

Burham Constr. Co., St. Louis (street address not available), (15) $157,068.

Baker & Koontz, Carthage, (17) $47,451.

Springfield Constr. Co., Springfield (street address not available), (17) $67,421.

J. L. Simmons, La Plata, (19) $59,514.

A. C. Brown, Jefferson City, (20) $40,534 (21) $26,608.

Harrison Constr. Co., Des Moines, Ia., (street address not available), (22) $72,633.

Millin Constr. Co., Springfield, (street address not available), (23) $48,782.

Davis Constr. Co., Imboden, Ark., (23) $50,665 (28) $43,839.

Henderson-Washam, Jacksonville, (24) $37,561.

W. F. Plummer, Inc., 536 Monroe St., Springfield, (25) $32,932.

Cook & O'Brien, Kansas City (street address not available), (25) $33,106.

J. Pope, Jefferson City, (26) $17,259. Noted Sept. 21.

Mo., St. Louis—Bd. Pub. Serv., City Hall, opened bids Oct. 3, from F. A. Stiers Constr. Co., 4500 Enright St., recutting old granite block and supplying new granite where needed, etc., ao 5,000 ft. Bway. from Chippewa to Arsenal Sts., 21,570 sq.yd. recut granite block bed course grouting, $4.25 per sq.yd., 3,610 cu.yd. concrete, 8.50 etc., total $120,698. Noted Sept. 28.

Tex., Lufkin—Angeline Co. grading and gravel surfacing 9.72 mi. State Highway 7, 16 ft., 12.87 acres clearing 40,257 cu.yd. borrow, 1,165.46 cu.yd. concrete, 39,586 cu.yd. roadway, 73,673 gal. asphalt, 1.227 cu.yd. trap rock, 104,050 lb. reinforcing 20,465 cu.yd. gravel surfacing, from J. S. Moore & Sons, Lufkin, $170,317; J. Thomson, San Augustine, $170,589; Cook & Arrington, Crockett, $200,511. Engrs. est. $162,856.

Calif., Fresno—Improving Mono St. between Van Ness and P Sts., (a) 86,040 sq.ft. grading (b) 80,159 ft. asphaltic pavement (c) 5,645 ft. concrete gutter (d) 3,247 ft. concrete curb, from Thompson Bros., G and Divisadero Sts., (a) $0.0525 (b) $0.2185 (c) $0.33 (d) $0.65; California Rd. and Street Impvt. Co., Bank of Italy Bldg., (a) $0.058 (b) $0.219 (c) $0.35 (d) $0.60. Noted Sept. 14.

Calif., Lindsay — Improving various streets, (a) 6,000 cu.yd. grading (b) 425,000 ft. 1½ in. warrenite on 2½ in. asphaltic concrete (c) 41,000 sq.ft. concrete gutters (d) 5,100 lin.ft. concrete curb (e) 575 sq.yd. concrete walks, from Clark & Henery Constr. Co., 38 South Sutter St., Stockton, (a) $1.88 (b) $0.222 (c) $0.28 (d) $0.62 (e) $0.21, total $125,413; Federal Constr. Co., Call Bldg., San Francisco, (a) $1.65 (b) $0.249 (c) $0.27 (d) $0.64 (e) $0.20, total $134,987; Valley Paving & Constr. Co., Visalia, (a) $1.95 (b) $0.243 (c) $0.28 (d) $0.60 (e) 0.21, total 135,510. Noted Sept 7.

Calif., San Diego—Improving 14th St., 161,910 sq.ft. 1½ in. bituminous concrete on 4 in. concrete, 269 ft. curb, etc., from G. R. Daley, Owl Bldg., $35,884; Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, $38,627; California Constr. Co., Granger Bldg., $41,246.

Que., Montreal—Opened bids for sidewalks on St. Lawrence St. from Canadian Pacific Ry. to Isabeau St., incl. (1) 8,152 sq.yd. grading (2) 8,152 sq.yd. stone foundation (3) 8,152 sq.yd. concrete (4) 8,152 sq.yd. wearing surface, from Leger & Lamoreux, 78 Bernard St., (1) $1 (2) $0.70 (3) $1 (4) $0.74, total $28,393. Rondou, Corlier & Co., 3506 Christophe Colomb St., (1) $0.50 (2) $0.50 (3) $1.45 (4) $1, total $28,516. F. Lapan, 601 Lacordaire St., (1) $0.65 (2) $0.75 (3) $1.60 (4) $0.75, total 31,085; also asphalt pavements on (a) St. Emelie St. from Atwater to Bourget Sts., incl. (1) 2.500 sq.yd. grading, (2) 2,500 sq.yd. concrete foundation, (3) 2,500 sq.yd. 3 in. asphalt, (b) De Villiers St. from Monk Blvd. to Rielle St., (1) 7,950 sq.yd. grading, (2) 7,950 sq.yd. concrete foundaton, (3) 7,950 sq.yd. 2 in. asphalt, from Sicily Asphaltum Paving Co., 60 St. Viateur St., (a1) $0.95 (a2) $1.64 (a3) $1.77, total $11,270, (b1) $1 (b2) $1.75 (b3) $1.73, total $45,868. B. Frault, Ltd., 2855 Rosemount Blvd., (a1) $1 (a2) $1.75 (a3) $1.75, total $11,400, (b1) $1.10 (b2) $1.75 (b3) $1.75, total $46,679. Quinlan, Robertson & Janin Ltd., 52 Duluth Bldg., (a1) 1 (a2) $1.70 (a3) $1.85, total $11,775, (b1) $0.90 (b2) $1.70 (b3) $1.70, total $43,949.

CONTRACTS AWARDED

Connecticut—State Hy. Dept., Hartford, to Mascetti & Holley, 561 South Main St., Torrington, paving 25.222 ft. New Litchfield Rd., 20 ft., in Litchfield and Torrington, 11,000 cu.yd. concrete, 11,800 cu.yd. earth excav. and borrow, 4,300 cu.yd. rock excav., 3,500 cu.yd. 12 in. stone base, $128,251, 5,300 ft. Washington Rd., 16 ft., in Bethlehem, 9,425 sq.yd. 7 in. native stone macadam, etc., $17,376; to A. Vito Constr. Co., Norwich, paving 4,050 ft. Pendleton Hill Rd, 16 ft., in Voluntown, 7,270 sq.yd. 7 in. native stone macadam, 1,800 cu.yd. earth and 200 cu.yd. rock excav., etc., $13,014, 6,075 ft. Pendleton Hill Rd., 16 ft., in North Stonington, 11,000 sq.yd. 7 in. native stone macadam, 3,700 cu.yd. earth and 500 cu.yd. rock excav., $18,093; to J. Arborio, 82 Church St., New Haven, 8,000 ft Hadlyme Rd., 16 ft., in Lyme, 14,684 sq.yd. 7 in. native stone macadam, etc., $25,203; to Lane Constr. Co., 37 Colony St., Meriden, 4,272 ft. North Main St., 16 ft., in Essex, 7,840 sq.yd. 7 in. native stone macadam, etc., $12,300; to Holbrook Co., New London, 2 span concrete deck girder bridge over Quinnipiac River, North Haven, $19,213. Noted Sept. 14.

N. Y., New York—See "Sewers."

N. Y., New York—J. Miller, pres. Manbattan Boro, Municipal Bldg., to P. J. Kearns Contg. Co., 2306 Creston Ave., widening and repaving 57th St. $18,530, 25th st. $15,418, 26th St. $14,717, 20th St. $29,211; to Brusstar Constr. Co., Harlem River and 150th St., 30th St. $14,080. Noted Sept. 28.

Pa., Beaver—Paving with vitr. brick (1) Insurance St. (2) Corporation St. (3) College Ave., to McDonald & Hartman, Rochester, (1) $6,053, (2) $4,455; to A. Dahl, Ellwood City, (3) $25,346. Noted Sept. 7.

Del., Wilmington—Newcastle Co. grading and constructing 2 mi. road from Fairview School to Pleasant Hill, 16 ft., asphalt penetration on waterbound macadam, to I. J. Hollingsworth & Co., Marshallton, $57,793. Noted Sept. 21.

Maryland—State Rds. Comn., Baltimore, paving sections of State Highway, Contr. CL-31, to Thomas, Bennett & Hunter, Westminster, $84,098; Contr. BC-42, to Baltifore Asphalt Block and Tile Co., 1320 North Monroe St., Baltimore, $33,950; Contr. P-39, to G. B. Mullen, 1296 Upshur St., Wash., D. C., $121,348; Contr. SM-21, to St. Marys Constr. Co., Mechanicsville, $16,037; Contr. D-28, to Holt Constr. Co., Federalsburg, $34,934. Noted Sept. 7.

Md., Baltimore—Bd. of Awards, grading, curbing and paving with sheet asphalt, 1½ x 1½, 1-3-6 concrete base, Lombard, Harvey,

Streets and Roads (Continued)

Wolfe, and Ann Sts., East Ave. and Calverton Rd., to P. Flannery & Sons, Harford Rd. and 25th St., Baltimore, $74,767. Noted Sept. 14.

Virginia—State Hy. Dept., Richmond, concrete paving 6.43 mi. Richmond-Petersburg Turnpike from Falling Creek to Dutch Gap, to C. M. Henley, 23 South Beech St., Richmond, $170,734; 6.27 mi. Louisa Rd. west, 22 ft., to L. R. Colbert, Richmond, (street address not available), $199,590.

W. Va., Charleston—Paving with asphalt South Ave., to Board & Haley, 1012 Virginia Ave., $52,826.

North Carolina — State Hy. Dept., Raleigh, grading, reconstrucing old macadam and asphalt surfacing 10.64 mi. State Project 351. New Hanover Co., to Southern Willite Paving Co., Real Estate Exch. Bldg., Richmond, Va., $181,824; clearing and grading 3.84 mi. State Project 847, Mc-Dowell Co., to C. W. Lacy, Wilmington, $85,374. Noted Sept. 14.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 1.985 mi. Sect. "K-2" Cincinnati-Chillicothe Rd., Clermont Co., bituminous macadam tar, to C. J. Nible, Westboro, $44,801; 1.22 mi. Sect. "S-1," Newark-New Lexington Rd., Perry Co., bituminous macadam tar, to W. F. Payne, Springfield (street address not available), $33,590; rein.-con. girder bridge on Sect. "L-2" Columbus-Portsmouth Rd., Pike Co., to Chillicothe Constr. Co., Chillicothe, $3,693. Noted Oct. 5.

O., Cincinnati—Hamilton Co. improving Willey Rd., etc., waterbound macadam, to J. Ruebel Constr. Co., 1872 Hanfield St., $30,436. Engrs. est. $36,237. Noted Oct. 5.

O., Cincinnati—Hamilton Co. improving Compton Rd. 217 from west corporation line of Mt. Healthy to Cincinnati-Brookville Rd. I C H 40, 16,000 cu.yd. earth excav., 23,500 sq.yd. bitoslag, to Scully Bros., 242 Lorraine Ave., $113,357. Engrs. est. $113,793.

O., Columbus—W. H. Duffy, dir. Pub. Serv., grading, curbing, laying water services and sewer connections and paving 550 ft. North St. and 2,378 ft. Dunedin Rd., both 60 ft. wide, asphalt, to B. F. Patterson, 1214 Neil Ave., $7,180 and $61,000 respectively; 441 ft. Pembroke Ave., 50 ft., asphalt, to A. J. Pugh, 401 Commerce Bldg., $5,133; 161 ft. Morgan St., 40 ft., brick, and alley west of Linwood Ave., from alley north of Fair to Madison Aves., to R. J. Dienst, 480 South 5th St., $3,148 and $1,319 respectively; 410 ft. alley west of Linwood Ave. from Mound to Fulton Sts., 25 ft., concrete, to Federal Paving Co., Columbus, (street address not available), $2,686. Noted Sept. 28.

O., Warren—Trumbull Co. paving 3½ mi. Nelson-Moser Rd., 16 ft., Braceville Twp., bituminous macadam, to F. Mango, Niles, $44,375.

Michigan — State Hy. Dept., Lansing, grading and surfacing 1.855 mi. State Trunk Line Rd. 32-4, Sect. D, Montmorency Co., to Louks & Fenton, Whittemore, $27,-316. Noted Sept. 28.

Michigan — State Hy. Dept., Lansing, grading and surfacing 1.281 mi. Federal Aid Project 91, Berrien Co., to Municipal Contg. & Supply Co., Gary, Ind., $25,369. Noted Sept. 21.

Mich., Springwells—See "Sewers."

Wis., Milwaukee—Grading 40, 100 cu.yd. 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, Hodley and Locust Sts., to A. Schroeder, Jr., 1461 Green Bay Ave., $20,080; Pease St., 3,047 sq.yd. concrete paving and 10,517 sq.ft. cement walks, to G. Czerwinski, 376 16th Ave. $9,855; 1,442 sq.yd. concrete paving in alley, to J. Weiber & Son, 878 Franklin Pl., $3,763; 8,034 sq.yd. concrete paving, etc., in alleys, to J. Bluhm & Son, 164 Burleigh St., $20,553; 3,253 sq.yd. concrete paving in alleys, to A. E. Retzloff, 948 4th St., $8,529.

Ia., Davenport—To Central Eng. Co., 711 Putnam Bldg., grading and concrete paving Federal Aid Project 185, River to River Rd. from here, northwest, 53,744 sy.yd., Type A concrete, etc., $153,099, Federal Aid Project 54, Davenport-Durant Rd. from Muscatine Co. line east, 57,584 sq.yd. Type A concrete, etc., $155,904, Sect. B, Div. 9, Federal Aid Project 55, Davenport-Harrison St.-New Liberty Rd., northwest of here, 79,749 sq.yd. Type A concrete, etc., $228,279, Sect. C, Div. 4, Federal Aid Project 55, from Le Claire southwest toward here, 51,640 sq.yd. Type A concrete, etc., $144,486; to Thompson & McDaniel, Wanello, grading Federal Aid Project 185, 40,245 cu.yd. earth, 2,339 cu.yd. macadam excav., etc., $14,385.

Kan., Garnett—Anderson Co. will gravel 4.032 mi. King of Trails Rd., 18 ft., by day labor. $32,429. Former bids rejected. J. P. Irons, Garnett, engr.

S. D., Aberdeen—Paving with rein.-con. 12th Ave. S. E. between Main and Kline Sts., 5th St S. E. between Lincoln and Kline Sts. and one block on Railway Ave., to C. H. Atkinson Paving Co., Watertown, $2.35 per sq.yd.

Missouri—State Hy. Dept. at div. office, Benton, surfacing 7.329 mi. road from Sikeston east and west, 16 ft., Federal Aid Project 5, Scott Co., to N. Davis, Sikeston, $60,577. Noted Aug. 3.

Missouri—State Hy. Dept. at div. office Kennett, 5.801 mi. road from White Oak northwardly, 24 ft., Federal Aid Project 183 B, Dunklin Co., and 8.426 mi. road from Kennett northeastwardly, 16 ft., Federal Aid Project 183 C, Dunklin Co., to W. A. Leach, Poplar Bluff, $68,541 and $149,689 respectively. Noted Aug. 3.

Missouri—State Hy. Dept. to Keokuk, 16 ft., Federal Aid Project 171, Clark Co., to Henderson & Washam, Jacksonville, $60,-957. Noted Oct. 5.

Tex., Ft. Worth — Constructing ¾ mi. Central Ave., 30 ft., 13,000 sq.yd. 2 in. Uvalde rock asphalt on 5 in. concrete, 4,000 lin.ft. concrete curb and gutter, and ¾ mi. Bryan Ave. from Rosedale to Railroad Ave., 26-30 ft., 13,200 sq.yd. 2 in. Uvalde rock asphalt on 5 in. concrete, 7,920 lin.ft. concrete curb and gutter, to Genl. Constr. Co., Cotton Exch. Bldg., $41,080 and $44,880 respectively. Engrs. ests. $40,000 and $41,000 respectively.

Tex., Ft. Worth—Tarrant Co. gravel surfacing 1.17 mi. Mansfield Arlington Rd. and 4.54 mi. Matlock Rd., 14 ft., to McCoy & Richardson, Arlington, $25,324; paving with 1 in. cold mixed rock asphalt, 1,535 ft. Main St. in Grapevine, Tex., from College to Wall Sts., 40-45 ft., to Genl. Constr. Co., Cotton Exch., $8,060.

Tex., San Angelo—Paving with inverted penetration bituminous macadam, curbing and guttering 5 mi. Chadbourne, Beauregard and other streets, 20 ft., to Metcalfe, Metcalfe & Thompson, San Angelo, crushed stone, $33,600; to T. Montgomery, San Angelo, curbing and guttering, $5,000; to J. E. Ward, 224 South Lancaster St., Dallas, asphalt and trap rock screenings, $32,-950. Engrs. est. $150,000.

Tex., Wellington — Paving 10,500 sq.yd. various streets with brick, to Panhandle Constr. Co., Corsicana, $3.57 per sq.yd., total $37,485. Noted Aug. 10.

Tex., Winters—Paving, curbing, guttering, preparation of subgrade, etc., on Main and Post Office Sts., 2½ in. brick, to Janes Constr. Co., Dallas, (street address not available), $24,397. Engrs. est. $25,000. Noted Sept. 14.

New Mexico—State Hy. Comn., Santa Fe, gravel surfacing Federal Aid Project 14-B, between Tesuque and Pajuaque, Santa Fe Co., and 9.318 mi. Federal Aid Project 72, between Pecos and Rowe, San Miguel Co., to Peterson, Shirley & Gunther, 1102 Woodman of the World Bldg., Omaha, Neb., $10,834 and $72,770 respectively plus 10 per cent for engineering and contingencies. Noted Sept. 7.

Wash., Spokane—Paving ¾ mi. 19th Ave. from Rockwood to Grand Sts., 40 ft., to G. H. Weller, North 618 Madelia St., $15,500, engrs. est. $12,200; ¾ mi. Indiana Ave. from Division to Hamilton Sts., 40 ft., asphalt on crushed rock, to C. M. Payne Constr. Co., East 127 Mission St. $24,349, engrs. est. $27,800.

Calif., Berkeley—Paving Telegraph Ave. from south city limits and Dwight Way, 2 in. asphaltic concrete surface on 5 in. asphaltic concrete, to Oakland Paving Co., 5000 Bway., Oakland, $94,687. Noted Oct. 5.

Calif., San Francisco—Improving Collingwood St. between 21st and 22nd Sts., etc., to Eaton & Smith, 407 11th St., $70,700. Noted Sept. 28.

Que., Montreal — To Sicily Asphaltum Paving Co., 60 St. Viateur St., paving 5,150 sq.yd. Greene Ave., 3 in. asphalt, $27,965; to B. Brault Ltd., 2855 Rosemount Blvd., 4,080 sq.yd. Cartier St., 3 in. asphalt, $19,-222, 3,640 sq.yd. St. Valier St., 2 in. asphalt, $17,091, 2,650 sq.yd. Sheppard St., 2 in. asphalt, $11,523, 8,400 sq.yd. Rouen Ave., 3 in. asphalt, $46,814; to Quinlan Robertson & Janin Ltd., 52 Duluth Bldg., paving 3,100 sq.yd. Bericourt St., 2 in. asphalt, $16,564, 8,600 sq.yd. Hadley St., $39,500; to E. Lapan, 601 Lacordaire Ave., concrete sidewalks, 2,500 sq.yd. Rosemount Blvd., 5 ft., $10,268, 4,100 sq.yd. Omer St., 5 ft., $18,314; to Duranceau & Duranceau, 152 Hamilton St., 1,100 sq.yd. Clarke St., 5 ft., $5,790, 2,400 sq.yd. Beaubien St., 6 ft., $10,560, 3,081 sq.yd. Maplewood Ave., 4 ft., $15,365; to Rondou, Corlier & Co., 3506 Christophe Colomb St., 980 sq.yd. Drolet St., 6 ft., $5,121, 1,084 sq.yd. Jarry St., 5 ft., $6,762. Noted Sept. 28.

Ont., Barrie—A. W. Smith, town clk., and James, Proctor & Redfern, engrs., 36 Toronto St., Toronto, 15,000 sq.yd. bitulithic pavement on concrete, with concrete curbs and gutters ,to Warren Bituminous Paving Co., 54 University Ave., Toronto. Engrs. est. $50,000. Noted Sept. 7.

Ont., Burlington—Concrete pavement on 8,000 sq.yd., Burlington Ave. to Frid Constr. Co., Clyde Blk., Hamilton. Engrs. est. $30,000.

Ont., Toronto — F. Barbar, engr. York Twp., 40 Jarvis St., 4 mi. 4-6 ft. concrete sidewalks with 6 x 18 in. curb on King Edward Ave. and Vaughan Rd., to A. Johnson 35 Burgess Ave., Windermere Ave., to Natl. Contg. Co., 9 Garnock Ave., Greendale, Thornhill and Woodmount Aves., to P. Licastro, 1423 Dufferin St., Livingston, Corbett and Summitt Aves., to S. Simpson, c/o engineer, Poulton Ave., to H. S. Walton, 60 Gamble Ave. Total est. $30,000. Noted Sept. 7.

B. C., Prince Rupert—Grading 5,531 ft. 4th and 5th Aves., to C. Lundquist Prince Rupert, $22,059, paving, new sidewalks, moving water mains, etc., on above project, to be done by day labor. F. J. Whittaker city engr. Noted Aug. 24.

Industrial Works

PROPOSED WORK

N. Y., Buffalo—Birk-Notman Motor Co., Inc., 828 Main St., plans 1 story, 50 x 150 ft., concrete, brick and steel garage, Hertel and Delaware Aves. $40,000.

N. Y., New York—New York Edison Co., 130 East 15th St., soon takes bids 3 story, 44 x 123 ft., brick, steel and concrete power house, plain foundation, 10-12 Stone St. $150,000. W. Whitehill, 709 6th Ave., archt. E. M. Van Norden, 130 East 15th St., engr. Noted July 13.

N. Y., White Plains—New York Telephone Co., 15 Dey St., New York, having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., New York, 2 story, 155 x 205 ft. auto service and repair shop, brick, steel and concrete, plain foundation, White Plains Rd. $200,000.

Pa., Clarion — Berney-Bond Glass Co., plans to rebuild brick and steel factory recently destroyed by fire. $400,000. Engineer not announced.

Pa., Coraopolis—Vulcan Refining Co., having plans prepared by E. C. Dilworth, engr., 302 Walsh Bldg., Pittsburgh, 1 story, 56 x 60 ft. steel boiler house.

Pa., Pittsburgh—Hubbard Co., Granite Bldg., having plans prepared for additions and new buildings, 1 story, 63rd and Butler Sts. Private plans.

Pa., Scranton—T. F. Leonard Estate, 505 Lackawanna Ave., takes bids about Nov. 1, for 2 story, 80 x 130 ft. concrete, brick and steel garage, Adams Ave. Architect not announced.

Pa., Williamsport—Demarest Silk Co., 606 Railway St., plans 3 story and basement, concrete, brick and steel addition to mill, Railway St. $100,000.

W. Va., Clarksburg—Clarksburg Ice & Storage Co., plans 1 story, 50 x 120 ft ice plant. $50,000. Architect not selected.

W. Va., Clarksburg—Carmichael Motor Co. having preliminary plans prepared by E. J. Wood & Son, archts., Lowndes Bldg., 2 story and basement, 83 x 126 ft., rein.-con., brick, stone, steel and tile, garage, 6th St. $65,000.

La., Rayville—Plans to vote on $150,000 bonds for new municipal electric light plant.

Tenn., Knoxville—Hall-Tate Co., North Gay St., plans 75 x 125 ft. factory, West Jackson Ave. $150,000. Architect not selected.

Tenn., Knoxville—Mahan—Kerr Motor Co., Market St., having plans prepared by Barber & McMurry, archt. and engrs., Burwell Bldg., 3 story and basement, 90 x 100 ft., garage and show room, Market and Cumberland Sts. $150,000.

O., Steubenville — Pennsylvania-Ohio Power & Light Co., 2521 East Boardman St., Youngstown, plans new steam electric plant, here, to furnish power and light as far north as Warren and Youngstown. $15,000.

O., Zanesville — Amer. Gas & Electric Co., Newark, plans large steam power and light station, here. $20,000,000.

Ind., Elkhart—Curtain Supply Co. having plans prepared by Muncle & Jenson, archts., 38 South LaSalle St., Chicago, 1 story, 172 x 400 ft. factory, concrete block and steel. $100,000.

Ind., Evansville—Fellwock Motor Co., 3 U 4th St., plans 2 story and basement service station, brick. $60,000. C. Shapbell, Furniture Bldg., archt.

Ind., Ft. Wayne—Wayne Oil Tank and Pump Co., Anthony Hotel, having plans prepared by Austin Co., archts., 208 South La Salle St., Chicago, 1 story, 50 x 320 ft. factory, brick and steel. $40,000.

Ind., Hammond—Hydrox Co., 24th St. and Lake Park Ave., Chicago, plans 3 story and basement plant, brick, Hohman St., here. $100,000. McCormick Co., Inc., Century Bldg., Pittsburgh, Pa., archts.

Industrial Works (Continued)

Ind., Indianapolis—Vonnegut Hardware Co., 120 East Washington St., plans 4 story and basement warehouse, brick, South Missouri St. $150,000. Architect not selected.

Ind., Jasper—Hoosier Desk Co. having plans prepared by C. A. Shopbell, archt., Furniture Bldg., Evansville, 3 story and basement, 60 x 200 ft. factory addition, brick and timber. $40,000.

Ind., South Bend—Ward Bakery Co., 5659 South La Salle St., Chicago, plans 4 story and basement bakery, brick, South Main St., here. $175,000. Architect not selected.

Mich., Detroit—Pub. Lighting Comn., 138 East Atwater St., having plans prepared by Smith, Hinchman & Grylls, engrs., 800 Marquette Bldg., first unit of electric plant, 40,000 k.w., Morrell St. and Detroit River, $1,000,000. Ultimate capacity of plant will be 120,000 kw. and cost $5,000,000.

Mich., Greenville—Michigan Canned Food Co., 817 Book Bldg., Detroit, had plans prepared by Industrial Constr. Co., engrs., Eau Claire, Wis., and will probably take bids in spring 3 story, brick and stone factory, incl. power house. $150,000.

Mich., Loretto—Peninsular Power Co., Natl. Bldg., Madison, Wis., having plans prepared by Mead & Seastone, engrs., Journal Bldg., Madison, Wis., brick and steel hydro electric power plant and 55 ft. concrete arch dam, 250 ft. long, single vertical unit, $200,000, also transmission line from plant to adjoining places, $25,000.

Ill., Chicago—Olson Rug Co., 32 Laflin St., having plans prepared by Davidson & Weiss, archts., 53 West Jackson Blvd., 5 story, 84 x 187 ft., factory, Laflin St. near Madison St.

Wis., Milwaukee—A. C. Beck Co., 1 East St., plans 2 or 3 story box factory to replace one recently destroyed by fire. Architect not selected.

Wis., Rhinelander—Wisconsin Regrinding Co., plans 1 story, 50 x 90 ft., brick, rein.-con. and steel, machine shop, plain foundation. $40,000. A. P. Schneidewind, Sheboygan Falls, pres. Architect not selected.

Wis., Wittenberg—Holman Mfg. Co., 1910 North 13th St., Sheboygan, plans 2 story and basement, 60 x 95 ft., brick, rein.-con. and steel factory, plain foundation. $50,000. Architect not selected.

Minn., Minneapolis — Lavoris Chemical Co., 52 Western Ave., having plans prepared by Long & Thorshov, archts., 1028 Andrus Bldg., 3 story and basement, 45 x 110 x 143 ft. factory and office, rein.-con., brick and tile, 3rd St. and 10th Ave. N. $125,000.

Ark., Russellville — Arkansas Light & Power Co., Arkadelphia, plans hydro-electric plant along Illinois River. $100,000.

Tex., Dallas—Southern Wire & Iron Mfg. Co., Harwood and Santa Fe Sts., has purchased 7 acre site and plans 4 unit wire plant. $50,000. Architect not announced.

Colo., Denver—Denver Custom Garment Co., 1517 Lawrence St., having plans prepared by H. W. J. Edebrook, archt., Colorado Theatre Bldg., 2 story and basement, 60 x 125 ft., factory and office, rein.-con., plain foundation. $75,000.

Ariz., Phoenix — Southwest Portland Cement Co., 356 South Spring St., Los Angeles, Calif., having plans prepared by company engineering department, cement plant, here. $1,500,000. O. J. Binford, genl. mgr.

Calif., San Francisco—Simmons Co., 198 Bay St., plans 3 story, 42 ft. high, 75 x 275 ft. warehouse, Bay and Powell Sts. $50,000. Private plans.

Que., Montreal East—Red Star Sales Co., Canada Cement Bldg., Montreal, plans refinery, here, with capacity of 1,000 bbl. (35,000 gal.) super gas per 24 hours. $250,000.

Ont., Saulte Ste. Marie—F. W. Reese and T. J. Wilcox plan gas plant. $200,000.

Ont., Toronto—Toronto Hardware Mfg. Co., 402 Dufferin St., plans concrete and brick factory. $60,000. Architect not selected.

BIDS DESIRED

Conn., Bridgeport—Fletcher-Thompson, Inc., archts. and engrs., 542 Fairfield Ave., taking bids 3 story and basement, 60 x 110 ft. factory addition, brick and rein-con., plain foundation, Seaview Ave., for Huber Ice Cream Co., 800 Seaview Ave. $150,000. Noted Sept. 14.

N. Y., Rochester—F. J. Zorn, 64 North Plymouth Ave., taking bids 2 story, 100 x 212 ft. and 58 x 182 ft., rein.-con. and steel garage, 195 St. Paul St. $75,000. Foote & Carpenter, State and Church Sts., archts.

N. Y., Vischer Ferry—Nov. 1, by C. L. Cadle, supt. Pub. Wks., Albany, power house at Vischer Ferry dam, Saratoga Co., here. Contr. B-3; adv. this issue.

Pa., Pittsburgh—Stroh Steel Hardening Process Co., Westinghouse Bldg., will build 1 story, 68 x 100 ft. steel foundry and machine shop, Chateau and Ridge Sts. $250,000. Work will be done by separate contract. Noted Sept. 7.

Pa., Vandergrift—McCutcheon Bros. taking bids 1 story and basement, 70 x 130 ft. brick and tile garage, Washington Ave. and 12th alley, $40,000. G. M. Rowland, Bakewell Bldg. Pittsburgh, archt.

Ill., Chicago—A. L. Alschuler, archt., 28 East Jackson Blvd., receiving bids 4 story factory, rein-con., brick and steel, George St. near North Crawford Ave., for Valentine-Seaver Co., 1721 Sedgwick St. $400,000. Noted Aug. 31.

Ill., Oak Park—Davis & Kramer, archts., 400 North Michigan Ave., receiving bids 1 story, 100 x 122 ft. brick garage, Madison St. and East Aves., here, for J. Stacey, c/o architect. 50,000.

Wis., Kohler—Brust & Philipp, archts., 405 Bway., taking bids 4 story, 70 x 160 ft., rein.-con. mill, plain foundation, for Kohler Co. $75,000.

Wis., Milwaukee—A. G. Wolff, archt., 453 Mitchell St., taking bids 2 story and part basement, 40 x 80 ft. addition to garage, brick and concrete, plain foundation, for F. Kraning, 1147 Forest Home Ave. $40,000.

Wis., Wausau — Oppenhamer & Obel, archts., Spencer Bldg., taking bids 3 story and basement, 60 x 76 ft., addition to warehouse, brick and concrete, plain foundation, for Radandt Furniture Co., 202 Scott St. $45,000.

Calif., Oakland—A. Kahn, archt., 1,000 Marquette Bldg., Detroit, Mich., receiving bids 2 story, 80 x 684 ft., factory, brick, concrete and steel, Hillside and 72nd Sts., for Chevrolet Automobile Co., Foothill Blvd. at 69th Ave. $250,000. Noted Sept. 21.

Ont., London — Oct. 16, by Middlesex Motors Ltd., 781 Dundas St., 75 x 200 ft. auto service station and repair shop. $55,000.

CONTRACTS AWARDED

Mass., Somerville (Boston P. O.)—Sands, Taylor & Wood Co., 131 State St., Boston, 2 story, 50 x 75 x 200 ft. warehouse, brick, and concrete, plain foundation, Fitchburg St., here, to Clark & Lee Co., 77 Summer St., Boston. Archts. est. $75,000.

Mass., Weymouth (Boston P. O.)—Edison Electric Illuminating Co., 70 State St., Boston, power plant, 60,000 kw. capacity, here, to Stone & Webster, 120 Bway., New York City. $8,000,000.

R. I., Pawtucket—J. and P. Coats, Inc., 366 Pine St., 2 and 3 story, 95 x 370 ft. and 95 x 270 ft. mill additions, brick and timber, to J. W. Bishop Co., 109 Foster St., Worcester, Mass. Archts. est. $400,000. Noted Sept. 28.

N. Y., Brooklyn—Court Height Realty Co., c/o J. Lubroth, archt. and engr., 44 Court St., 2 story, 55 x 205 ft., brick, steel and concrete garage, plain foundation, 22 Concord St., to H. Gretsch, 50 East 42nd St., Newark. Archts. est. $75,000.

N. Y., Jamestown—Clark Hardware Co., 13-15 East 3rd St., 3 story, 46 x 90 ft., brick addition to warehouse and hardware store, to C. Haas, 10th and Monroe Sts. Archts. est. to exceed $40,000. Noted Oct. 5.

N. Y., Jamestown—Jamestown Lounge Co., Winsor St., 6 story, 102 x 144 ft., brick factory addition, by day labor under supervision of A. De Sellius. To exceed $40,000. Noted Oct. 5.

Pa., Phila. — Reading R.R., Reading Terminal, 1 story and basement, 75 x 150 ft. oil house, 40 x 112 ft. and 30 x 140 ft. concrete platforms, to R. E. Lamb Co., 843 North 19th St.

Pa., Phila.—Osmond & Keene, 1619 Sansom St., 1 story, 89 x 125 ft. and 25 x 29 ft. rein.-con., brick and steel garage, plain foundation. Greene St. and Queen Lane, to F. G. Stewart, 1519 Sansom St. Archts. est. $70,000.

Pa., Pittsburgh — Equitable Gas Co., Phila. Co. Bldg., general contract, 1 story, 50 x 164 ft., 50 x 140 ft., and 15 x 20 ft. repair and machine shop, Reedsdale St., to C. H. Kerr Co., Vanadium Bldg.

Pa., Rossmere (Lancaster P. O.)—Rowe-Stuart Motors Corp., 1 story, 120 x 300 ft. brick factory, to Gibbs-Mueller Co., Real Estate Trust Bldg., Phila.

Pa., Sharpsburg—L. Z. Hodil, 88 Bridge St., 1 story and basement, 95 x 140 ft. brick and tile garage, Main St. and Pennsylvania R.R., to Good Constr. Co., State Theatre Bldg., Pittsburgh. Engrs. est. $40,000.

W. Va., Charleston—A. W. Hafter, Virginia St., 1 story, 50 x 127 ft. garage, brick, steel and tile, to S. Ruchkin, c/o owner, $40,000.

W. Va., Weirton — Weirton Steel Co., eight 1 and 2 story steel sheet mills, brick, steel and iron, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa., $1,500,000.

Ind., Indianapolis—Rockwood Mfg. Co., 1801 English Ave., 1 story, 75 x 100 ft. machine shop, brick and timber, 1861 English Ave., to Builders Constr. Co., 540 North Meridian St. Archts. est. $40,000. Noted Oct. 5.

Mich., Detroit—Maxwell Motor Co., 12200 East Jefferson Ave., 1 story, 80 x 440 ft. concrete, brick and steel factory, to H. K. Ferguson Co., 6523 Euclid Ave., Cleveland, O. Archts. est. $200,000.

Ill., Chicago — Whitney & Williams, archts., 122 South Michigan Ave., 2 story, 75 x 150 ft., rein.-con. garage, Bway., near Glen Lake Ave., to Simon Johanson, 1308 Norwood St. Archts. est. $75,000. Owner's name withheld.

Ill., Chicago—Pullman Co., 101st St. and Corliss Ave., 1½ story, 200 x 250 ft. foundry addition, rein.-con., brick and steel, to Sumner-Sollitt Co., 225 North Michigan Ave. Archts. est. $600,000.

Ill., Chicago—F. G. Arnold Co. c/o Z. E. Smith, archt., 304 East 55th St., 1 story, 75 x 160 ft. garage, 3725-29 Ogden Ave., to Carlson & Erickson, 19 South La Salle St. Archts. est. $50,000. Noted Sept. 28.

Ill., Chicago—Purity Packing Co., 3247 West 47th St., 2 story, 100 x 125 ft. canning factory, 3247-61 West 47th St., to Robson Co., 38 South Dearborn St. Archts. est. $100,000.

Ill., Chicago—F. Gustafson, 5724 Kenmore Ave., 1 story, 109 x 200 ft. garage, 405-23 East Erie St., to Nelson & Berg, 7648 East Lake Terrace. Archts. est. $80,000.

Wis., Brillion—Calumet Canning Co. will build 2 story, 50 x 110 ft. canning factory and power house, brick, rein.-con. and steel, plain foundation, by day labor. $45,000. J. E. De Master, 623 End Court, Sheboygan, pres. Private plans.

Wis., Janesville — Bower City Machine Co., 759 McKey Blvd., 1 story, 50 x 90 ft., machine and repair shop, brick, rein.-con. and steel, plain foundation, to W. R. Hayes Co., 12 Pleasant St. Engrs. est. $40,000.

Wis., Milwaukee — Milwaukee Woven Wire Wks., 3014 Clarke St., 3 story, 131 x 140 ft. L shaped, brick and timber warehouse, plain foundation, 30th and Clarke Sts., to W. F. Johnson, 733 31st St. Engrs. est. $75,000. Noted Aug. 17.

Wis., Monroe—United Telephone Co. will build 2 story, 40 x 65 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, by day labor. $40,000. Private plans.

Wis., New Diggings — Imperial Mining Co. will build 2 story, 75 x 190 ft. zinc mill, brick, rein.-con. and steel, plain foundation, by day labor. Private plans.

Wis., Waukesha—Waukesha Lime & Stone Co. will build 2 story, 50 x 120 ft. pulverizing plant, brick, rein.-con. and steel, plain foundation, by day labor, to replace plant recently destroyed by fire. $50,000. Private plans.

Calif., San Francisco—Lyon Warehouse Co., 3430 Bway., Oakland, will build 8 story, rein.-con. warehouse, Van Ness Ave. and McAllister St., here, by day labor under supervision of W. Knowles, archt., Hearst Bldg. $225,000. Noted May 25.

Calif., San Francisco—Bothin Real Estate Co., 604 Mission St., 3 story, rein.-con. garage, Natoma, Hunter and Sherwood Sts., to Cahill Bros., 110 Sutter St., San Francisco, $45,000. Noted Sept. 14.

Ont., Weston—Moffatts Ltd., 2 story, 60 x 100 ft. brick and steel addition to factory, to G. R. Simms, Richmond Hill. 60,000.

Buildings

PROPOSED WORK

Mass., Roxbury (Boston P. O.)—Synagogue—Temple Mishkow Feflia, Moreland St., soon lets contract, 3 story, brick, concrete and steel, plain foundation. Seaver St. $350,000. Krokyn, Brown & Rosenstein, 7 State St., Boston, archts. Noted Oct. 5.

Conn., Rockville—School—School Bd. plans 2 story, brick and steel. West District. $150,000. Architect not selected.

N. Y., Bronxville — School — Bd. Educ. having plans prepared by Guilbert & Bettelle, archts. and engrs., 2 Lombardy St. Newark, N. J., 4 story, brick, steel and stone, plain foundation. $400,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, having plans prepared by C. B. J. Snyder, archt. and engr., Concord St. and Flatbush Ave., P. S. 142, 5 story, 60 x 100 ft., brick, steel and stone, plain foundation, Henry St., here.

Buildings (Continued)

N. Y., Buffalo — Church — South Park United Presbyterian Church, 653 McKinley Parkway, purchased 200 x 220 ft. site for concrete, brick and steel, McKinley Parkway. $175,000.

N. Y., Freeport—High School—Bd. Educ. soon takes bids brick, steel and stone, plain foundation, Pine St. $600,000. W. Adams, 15 West 38th St., New York, archt. and engr. Noted April 6.

N. Y., Merrick—School—Bd. Educ. plans brick, steel and stone, plain foundation. $175,000. Architect not selected.

N. Y., Mt. Vernon—Exchange—New York Telephone Co., 15 Dey St., New York, having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., New York, altering 46 x 200 ft. brick, steel and stone, South 6th Ave., here. $430,000.

N. Y., New York—Apartment—T. A. Meyer, arch. and engr., 150 East 42nd St., preparing plans 14 story, 80 x 85 ft., brick steel and stone, plain foundation, 174 West 86th St. $750,000. Owner's name withheld.

N. Y., New York—Schools—Bd. Educ., 500 Park Ave., having preliminary plans prepared by C. B. J. Snyder, archt. and engr., Concord St. and Flatbush Ave., Brooklyn, 5 story addition, P. S. 133, Walton Ave. and 184th St., $350,000; also P. S. 72, 5 story, 100 x 100 ft., 104th St. and Lexington Ave., both brick, steel and stone, plain foundations.

N. J., Newark—Clubhouse—B. P. O. E. 21, 27 Green St., having plans prepared by N. J. Convery, archt., 942 Broad St., and McKim, Mead & White, associated archts., 101 Park Ave., New York City, 12 story, 100 x 150 ft., brick, steel and stone, plain foundation, Broad and Camp Sts. $1,000,000. Noted June 1.

Pa., Hazelton—Lodge—Elks Lodge plan brick club and lodge building. $150,000. Architect not announced.

Pa., Phila.—Theatre—N. E. Amusement Co., c/o E. A. Stopper, archt., 1507 Arch St., plans 1 story and basement, 53 x 153 ft. rein.-con., brick and steel, plain foundation, Torresdale and Wissinoming Aves.

D. C., Wash.—Apartment—H. Wardman, 1430 K St., N. W., having plans prepared by Wardman & Waggaman, archts., 1430 K St., for apartment building, 13th and I Sts. $1,100,000.

N. C., Burlington — Hotel — Burlington Hotel Co. plans hotel. $250,000-$700,000. R. L. Holt, pres. Architect not selected.

Fla., Orlando—Bank and Office—State Bank & Trust Co., soon lets contract 9 story. W. L. Stoddart, 9 East 40th St., New York City, archt. and engr. Noted Aug. 17.

Ia., Burlington—Hotel—Hotel Burlington, soon receives bids 4 story and basement, rein.-con., brick, tile and stone addition, $150,000. E. G. Disque, secy. Temple & Burrows, 64 Davenport Savings Bank Bldg., Davenport, archts.

Tenn., Nashville — Memorial and Auditorium—Alumni Assn. and Vanderbilt University having plans prepared by H. C. Hibbs, archt., Fourth & First Natl. Bank Bldg., memorial and auditorium on campus. $200,000.

Ky., Covington — Hospital — Salvation Army, 120 West 14th St, New York City, having preliminary plans prepared by H. D. Chase, archt. and engr., 120 West 14th St., 4 story and basement, brick, steel and stone, plain foundation, here. $250,000.

O., Cleveland Heights (Warrensville P. O.)—Apartment—F. N. Riley, 1508 Williamson Bldg., Cleveland, having sketches made by J. M. Dyer, archt., Ulmer Bldg., Cleveland, 6 and 12 story, brick, steel and concrete, Cedar Rd., here. $750,000.

O., Dayton—School and College—St. Mary's Female Educational Institute, Cincinnati, purchased 13 acre site on Forest Ave, here, and plans 3 brick buildings. $300,000. Architect not selected.

O., Oberlin—Hospital—Oberlin College, taking bids 3 story, 43 x 102 ft. and 43 x 48 ft., brick, steel and concrete. $200,000. C. Gilbert, 244 Madison Ave., New York City, archt. Noted Jan. 26.

O., Springfield—Office—Superior Gas Engine Co., Sheridan Ave., plans 3 story, modern brick. $150,000. Architect not announced.

O., Waverly — High School — Bd. Educ. having plans prepared by Glass & Austin, archts., Gasco Bldg., Columbus, 2 story and basement, 100 x 100 ft., brick and concrete. $145,000.

Ind., Evansville—Hotel—Vendome Hotel Co. plans 6 story addition, brick, 3rd St. $300,000. F. J. Schlotter, 113½ Upper 4th St., archt.

Ind., Hammond—Hotel—Hammond Hotel Improvement Co., plans 2 story and basement, brick, (walls and foundation to be built for 5 story), State St. $150,000. J. P. Berelos, mgr. C. H. Crane, Bond Bldg., Detroit, Mich., archt.

Ind., Mishawaka—High School—School Bd. plans 2 story and basement, brick. $600,000. Architect not selected.

Ind., New Castle — Bd. of Trustees Y.M.C.A. plans 3 story and basement, brick. $200,000. McGuire & Shook, Pythian Bldg., Indianapolis, archts.

Ind., Richmond—Lodge—Eagles' Lodge No. 666, 222 East Marshall St., having plans prepared by G. W. Mansfield, archt., Richmond, 3 story and basement, 48 x 66 ft., brick. $150,000.

Ind., South Bend — Hospital Annex — Epworth Hospital, 123 West Navarre St., plans 5 story and basement, brick, West Navarre St. $276,000. R. E. Schmidt, 104 South Michigan Ave., Chicago, archt.

Ind., South Bend — Temple — Masonic Temple Assn. having plans prepared by Osgood & Osgood, archts., Fine Arts Bldg., Grand Rapids, Mich., 6 story and basement, 132 & 165 ft., rein.-con., brick and stone, Main and Morris Sts. $750,000. W. H. Adams, Campus Bldg., Detroit, engr.

Mich., Adrian — College — St. Josephs Academy having plans prepared by P. Dederichs, archt., Chamber of Commerce Bldg., Detroit, 3 story and basement, rein.-con., brick and steel addition, incl. auditorium and gymnasium. $150,000.

Mich., Grand Rapids—High School—H. Turner, archt., 923 Michigan Trust Bldg., takes bids in spring, 4 story, 100 x 130 ft. rein.-con., brick and steel addition, for Bd. Educ. $300,000.

Mich., Holland—Hospital—Holland Hospital Assn. plans to vote on $250,000 bonds Nov. 7, for 4 story and basement, 40 x 125 ft. hospital and 40 x 75 ft. boiler room, brick, steel and stone. Robinson & Campau, 715 Michigan Trust Bldg., Grand Rapids, archts.

Mich., Lansing — Theatre — Lansing Theatre Co., 128 West Allegan St., plans campaign to raise $750,000, for 10 story and basement, brick and steel. Capitol St. S. D. Butterworth, Tussing Bldg., archt.

Mich., Lansing—Y. M. C. A. having preliminary plans prepared by N. McMillan, archt., 347 Madison Ave., New York, 5 story, 50 x 120 ft. rein.-con. and brick, West Allegan St. $400,000. J. Wilson, secy.

Ill., Chicago—Church—K. M. Vitzthum & Co., archts., 605 North Michigan Ave., preparing plans 2 story and basement, 80 x 160 ft., rein.-con., brick and steel, Washington and Laramie Sts., for St. Thomas Aquinas Catholic Congregation c/o architects. $250,000.

Ill., Chicago — High School — Bd. Educ., 646 South Clark St., having plans prepared by J. C. Christensen, archt., 646 South Clark St., rein.-con., brick and steel addition, Morgan Park. $1,000,000.

Ill., Chicago — High School — Bd. Educ., 646 South Clark St., having plans prepared by J. C. Christensen, archt., 646 South Clark St., rein.-con., brick and steel, Wilson and Kimball Aves. $3,000,000.

Ill., Chicago—High School—St. Catharines Parish c/o A. Foster, archt., 56 East Randolph St., having plans prepared 3 story, 150 x 170 ft., high school, Washington Blvd. near Central Ave. $180,000.

Ill., Chicago—Office—Orkin & Polenske c/o Berlin, Swern & Randal, archts., 19 South La Salle St., having plans prepared 6 story, 80 x 150 ft., rein.-con., brick and steel, Ontario St., near Fairbanks Court. $200,000.

Ill., Chicago—Store and Office—K. R. Beak & Co., 190 North Clark St., plans 3 story, 120 x 125 ft., rein.-con., brick and steel, 61st and Halsted Sts. $250,000. H. B. Aarens, 127 North Dearborn St., archt.

Ill., Evanston—Apartment—Eight Hundred Michigan Ave. Building Corp. c/o R. S. Degolyer, archt., 7 South Dearborn St., Chicago, having plans prepared, 3 story, 150 x 150 ft., Michigan Ave. and Kedzie St., here. $300,000.

Ill., Wilmette—School—Bd. Educ. having plans prepared by Perkins, Fellows & Hamilton, archts., 814 Tower Court, Chicago, 2 story, school, 17th near Washington St., here. $150,000.

Wis., Hartland—High School—Bd. Educ., c/o F. Chapman, clk., plans 2 story, 75 x 150 ft., brick, rein.-con., and steel, plain foundation. $150,000. Architect not selected.

Wis., La Crosse—Schools—Bd. Educ. had plans prepared by Parkinson & Dockendorff, archts., Linker Bldg., Junior High School, $250,000, and Vocational School, $150,000, each 2 story and basement, rein.-con., brick, tile and stone.

Wis., Milwaukee — Exhibit—Agricultural Com., Capitol Bldg., Madison, plans 100 x 300 ft., brick and steel, plain foundation, on State Fair Grounds, here. $500,000. C. P. Noyard, chn. Architect not selected.

Wis., Milwaukee—School—Bd. Industrial Educ., 7th and Prairie Sts., having plans prepared by Van Ryan & De Gelleke, archts., 114 Grande Ave., 6 story and basement, 147 x 270 ft., continuation school (third unit), rein.-con. and brick, plain and concrete pile foundation, 6th St. near Prairie St. $800,000 to $1,000,000.

Wis., Rhinelander — High School — Bd. Educ. plans 2 story, 75 x 155 ft., brick, rein.-con. and steel, plain foundation. $150,000. A. Moe, clk. Architect not selected.

Wis., Sheboygan—Store—J. and W. Jung, 720 North 8th St., having plans prepared by W. C. Weeks, archt., 720 Ontario Ave., 3 story, 150 x 150 ft., brick, rein.-con. and steel, plain foundation. $150,000.

Ia., Sioux City — Hospital — Methodist Episcopal Hospital, 14th and Jones Sts., plans 4 story and basement, rein.-con., brick, tile and stone. $250,000. G. T. Notson, supt. Architect not announced.

Mo., St. Louis—High School—Bd. Educ. takes bids about Oct. 15, 3 story, 130 x 140 ft., rein.-con. and brick, plain foundation, Kingshighway. $160,000. W. B. Ittner, 911 Locust St., archt.

Tex., San Antonio—College—Westmoreland College, Methodist Episcopal Church South, 726 West Waco Ave., receiving competitive sketches for college on North Side. $250,000.

Colo., Denver — Office — See "Industrial Works."

Calif., San Francisco — Synagogue — Congregation Emanu-El, Sutter and Powell Sts., plan synagogue, on 240 x 288 ft site, 1st Ave. and Lake St. To exceed $500,000.

Calif., Stockton—Courthouse—San Joaquin Co. plans election to decide whether to sell present courthouse and site and erect new structure at another location, or to retain present building and construct additions, costing approximately $700,000. E. D. Graham, co. clk.

Que., Montreal — Church — Westmount Baptist Church, Western Ave., plan church on Sherbrooke St. and Roslyn Ave. $175,000. Address F. H. Devine, pastor.

Ont., London—Exhibition—Western Fair Bd. plans 2 story exhibition building on fair grounds. $150,000. E. S. Little, chn. building com. Architect not selected.

Ont., Windsor — School — School Com. plans 14 room school. $200,000. Address E. Winter, mayor.

BIDS DESIRED

Conn., East Haddam—School—Oct. 20, by A. E. Purple, chn. of town, 2 story, 12 room, brick and steel, plain foundation, in Moodus. $150,000. W. H. McLean, 88 Tremont St., Boston, archt.

Conn., Hartford—Business—S. S. Nelson, 290 Trumbull St., taking bids 6 story, 100 x 130 ft., rein.-con. and brick, plain foundation, Church St. $200,000. F. C. Walz, 407 Trumbull St., archt. Noted Sept. 28.

N. Y., Brooklyn — Office — Oct. 18, by Brooklyn Edison Co., 360 Pearl St., 12 story, brick, steel and stone, plain foundation, Willoughby and Pearl Sts. $1,000,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., New York, archts. and engrs. Noted Aug. 3.

N. Y., Rochester—Hotel—Seneca Operating Co., taking bids 15 story, rein.-con. and steel, South Clinton St. $420,000. Esewein & Johnson, 781 Ellicott Sq., Buffalo, archts.

N. J., Irvington—Hospital—Nov. 1, by Bd. Town Comrs., Town Hall, for hospital on Chancellor Ave. and Park Pl. J. B. Allen, 1091 Sanford Ave., archt. Runyon & Carey 843 Broad St., Newark, engrs.

N. J., Newark—Apartments—C. W. S. Corp., c/o N. Meyers, archt. and engr., 7 Nelson Pl., ten 4 story, brick, steel and stone, plain foundations, Belleville Ave. $150,000 each. Work will be done by separate contracts under supervision of architect. L. Curtis, pres.

N. J., South Orange—School—Oct. 16, by Bd. Educ. brick, steel and stone, plain foundation. $250,000. Guilbert & Bettelle, 2 Lombardy St., Newark, archts. and engrs.

Md., Baltimore—High School—Oct. 18, by Bd. of Awards, junior high school, Clifton Park. W. F. Broening, pres. Noted Sept. 14.

Buildings (Continued)

Md., Baltimore—Memorial—Oct. 31, by joint comn. representing State of Maryland and City of Baltimore, for war memorial. E. B. Lee, and H. C. Jones, presidents. L. H. Fowler, 347 North Charles St., Baltimore, archt. Noted Sept. 21.

D. C., Wash.—Office and Church—Oct. 20, by Ballinger & Co., archts. and engrs., 47 West 34th St., New York City, 5 story and basement, 129 x 152 ft., rein.-con., brick, steel and cut stone, plain foundation, Maryland Ave., here, for Bd. Temperance, Probition and Public Morals of Methodist Episcopal Church. $500,000. Noted Oct. 5.

D. C., Wash.—Study Hall—Oct. 16 by Roman Catholic Order of Minor Conventuales, Syracuse, N. Y. (street address not available) study hall, Michigan Ave. and Monroe St., N. W., here. $150,000. Ogden & Gander, 17 Steuben St., Albany, N. Y., archts.

N. C., Greensboro—Schools—Oct. 23, by Bd. Educ., two grammar schools, one on West Lee St. and other on Ashboro St. $200,000 each. J. N. Wiles, chn. Starrett & Van Vleck, 8 West 40th St., New York City, archts.

O., Centerville—School—Nov. 1, by Bd. Educ. of Washington Twp. School Dist., 2 story and basement, 60 x 110 ft., rein.-con. and brick. $200,000. Walker & Norwick, 1301 Amer. Bldg., Dayton, archts.

Ill., Chicago—Theatre, Store and Office—W. W. Ahlschlager, archt., 65 East Huron St., receiving bids 3 story, 200 x 260 ft., rein.-con., brick and steel, Belmont St. and Lincoln Ave. $1,750,000. Owners name withheld.

Wis., Oshkosh—School—Oct. 30, by Bd. Pub. Wks., City Hall, for Punhoqua Grade School, 2 story part basement, brick and tile, plain foundation. $150,000-$200,000. Auler & Jensen, F. R. A. Bldg., archts.

Ia., Lake City—High School—Oct. 16, by Bd. Educ., 2 story and basement, rein.-con., brick, tile and stone. $150,000. J. M. Fickle, secy. W. Gordon, 319 Hubbell Bldg., Des Moines, archt.

Calif., Oakland—School and Convent—G. E. McCrea, archt., 369 Pine St., San Francisco, receiving bids 3 story and basement, (1st unit of church buildings) rein.-con., Lakeshore and Prospect Aves., for Church of Our Lady of Lourdes. Will exceed $150,000. P. Zucco, 166 Geary St., San Francisco, engr.

Calif., San Francisco—Store and Club—O'Brien Bros. Inc., archts., 240 Montgomery St., receiving bids 2 story, brick, Market St. near 12th St., for Loyal Order of Moose, Lodge 26, 105 Jones St. $150,000. Noted Sept. 14.

Ont., Sandwich — School — A. Beeman, secy. Bd. Educ. taking bids 2 story and basement, 10 room, concrete, brick, steel and stone. $205,000. A. J. Riddell, 355 Sandwich St., archt. Noted Sept. 7.

Ont., Windsor — Office — A. H. McPhail, archts., McGregor Blk., taking bids 3 story and basement, concrete, brick and steel, for Border Cities Star, 104 Sandwich St. W. $200,000.

BIDS RECEIVED

Conn., West Hartford—High School—B. I. Miller, town mgr., opened bids Oct. 2, 2 story and basement, 200 x 210 ft., brick, rein.-con. and steel, plain foundation, South Main St., from Johnson-Webster Co., 167 Washington St., Hartford, $429,162; Eastern Eng. and Constr. Co., Liberty Bldg., Bridgeport, $438,000; D. O'Brien & Sons, 118 Asylum St., Hartford, $439,000. Archts. est. $450,000. Noted Sept. 28.

O., Brookville—High School—Bd. Educ. of Brookville Village School Dist., opened bids Oct. 6, 2 story and baseemnt, 95 x 218 ft., rein.-con. and brick, plain foundation, from Leatherman & Bros., Dayton, (street address not available), $175,549; L. Colvin, 16th and Meridian Sts., Indianapolis, Ind., $183,184; H. R. Blagg Co., 1229 East 3rd St., Dayton, $187,442. Noted Sept. 14.

Ia., Des Moines — Schools — Bd. Educ. opened bids Sept. 29, general contract (1) Wallace School, East 13th and Cleveland Sts., (2) Elmwood School, 31st and Brattleboro Sts., from Western Constr. Co., 611 Flynn Bldg., (1) $67,000, (2) $66,500; Benson Constr. Co., 422 Valley Natl. Bank Bldg., (1) $65,000, (2) $67,000; Sugarman Constr. Co., 8th and Tuttle Sts., (1) $67,500, (2) $67,500. Noted Sept. 21.

Minn., St. Paul—School—H. W. Austin, city purch. agt., opened bids 3 story and basement, 150 x 250 ft. with 1 story, 48 x 90 ft. wing, rein.-con., brick and tile, Isabel and Congress Sts., from Gauger-Korsmo Constr. Co., 301 Endicott Bldg., $282,982; Olsen & Larsen, 145 North Concord St., $283,100; F. C. Norlander, 409 Metropolitan Bank Bldg., $319,000. Noted Sept. 28.

Que., Montreal—City Hall—Opened bids for steel work of new city hall, from Dominion Bridge Co., Lachine, $124,450; Phoenix Bridge Co., Young St., $126,655. Noted Sept. 21.

CONTRACTS AWARDED

Me., Portland—Store and Office—Clapp Estate, co D. W. Snow, Fidelity Bldg., 7 story, 75 x 100 ft., rein.-con. and brick, plain foundation, Congress St., to I. F. Woodbury & Sons, Inc., 185 Summer St., Boston, Mass. Archts. est. $225,000.

Mass., Boston — Apartment — G. N. Jacobs, 9 Hamilton Pl., will build 4 story, brick and concrete, plain foundation, Audubon Rd., by day labor. $200,000.

Mass., Boston—Apartment—Washington Heights Bldg. Corp., 1607 Commonwealth Ave., will build 3 story, brick, concrete, stone and steel, plain foundation, Commonwealth Ave., by day labor. $150,000. Private plans.

Mass., Mattapan (Boston P. O.)—Store and Theatre—V. Kauffman, 18 Tremont St., Boston, will build 2 story, 100 x 140 x 245 ft., brick, concrete and steel, plain foundation, Blue Hills Ave., by day labor. $200,000. F. A. Norcross, 46 Cornhill, Boston, archt.

Mass., Newton—School—Our Lady Help of Christians Roman Catholic Parish c/o L. W. Slattery, pastor, 573 Washington St., 2 story and basement, 150 x 200 ft., brick, concrete and steel, plain foundation, Washington St., to T. Stuart & Sons Co., 222 Pearl St. Archts. est. $200,000.

Mass., Pittsfield—School—School Bd., 2 story, 85 x 150 ft., brick, Tennyson Ave. and Newell St., to G. D. Kelly, Yonkers, N. Y., $172,298. Archts. est. $175,000. Noted Sept. 28.

Mass., Springfield — Home — Springfield Hospital, Chestnut St., 4 story, 34 x 159 ft. addition to nurses' home, Chestnut St., to E. J. Pinney, 374 Main St., $110,000. Archt. est. $150,000.

R. I., Pawtucket—School and Convent—St. Edwards Roman Catholic Church, Hope and Weeden Sts., 2 story and basement, 70 x 102 ft. school, brick, and 2 story and basement, 37 x 80 ft., brick and stucco convent, Hope and Weeden Sts., to A. F. Smiley, Oak Hall Bldg., Pawtucket. Archts. est. $150,000. Noted Sept. 28.

N. Y., New Rochelle—Hospital—New Rochelle Hospital, Guion Pl., brick, steel and stone, plain foundation, to G. Watson, 230 Huguenot St. Archts. est. $250,000.

Pa., Pittsburgh—Bank—Union Trust Co., 4th Ave., converting Union Arcade office building into bank, incl. remodeling portions of sub-basement, 1st, 2nd, 3rd and 4th stories, to Mellon-Stuart Co., Oliver Bldg. Archts. est. $1,000,000.

Pa., Wilkes-Barre—Church—Westminster Presbyterian Church, stone church, Westminster and Lockhart Sts., to Shepherd Constr. Co., Miners Bank Bldg. Archts. est. $150,000.

Del., Smyrna—High School—Bd. Educ., Du Pont Bldg., Wilmington, general contract 2 story, 80 x 150 ft., steel and brick, plain foundation, to A. L. Hudson, Smyrna, $139,375. Noted Sept. 21.

Md., Baltimore—Bank—Citizens Natl. Bank, Hanover St., 6 story, brick and steel, light and German Sts., to G. A. Fuller Co., 175 5th Ave., New York City. Archts. est. $200,000 Noted Sept. 14.

W. Va., Fairmont—Theatre—West Virginia Amusement Co., will build 1 story and basement, 45 x 200 ft., brick and steel, Main St. near Quinn St., by day labor. $200,000. Former contract rescinded. Noted April 27.

Ga., Atlanta — Market House — Capitol City Bldg. & Market Co., 603 Chandler Bldg., 1 story and basement, 143 x 245 ft., rein.-con., to Turner Constr. Co., 244 Madison Ave., New York City, under direction of L. W. Robert & Co., archts., Atlanta. Noted July 6.

Fla., Sanford—Bank—First Natl. Bank, 5 story, steel, brick and stone, plain foundation, to G. A. Fuller Co., 175 5th Ave., New York City. Archts. est. $350,000.

Ala., Birmingham—Store—L. Pizitz, 118-19th St., 6 to 8 story, 100 x 140 ft., brick, concrete and steel, 2nd Ave., to Smallman & Brice Constr. Co., 1115 Ave. E. Archts, est. $350,000.

La., New Orleans — School — Orleans Parish School Bd., Municipal Bldg., 2 story, and basement, 151 x 233 ft. rein.-con. and brick, Claude St. between Alva and Pauline Sts., to O. M. Gwinn Constr. Co., Canal Commercial Bldg. Cost complete $249,000. Noted Aug. 3.

O., Cleveland — Memorial — Cleveland Memorial Entombment Co., c/o W. H. Allen, Hickox Bldg., 1 story, 100 x 200 ft., marble, granite and steel, Euclid Ave. near Chardon Rd. ,to J. Gill & Sons, Citizens Bldg. Archts. est. $150,000. Noted Aug. 31.

O., Columbus—Dormitory—F. H. Olds, 12½ South High St., 4 story and basement, 50 x 150 ft., brick and concrete, Neil Ave., to Globe Bond & Mortgage Co., 153 North High St., $152,000.

Mich., Detroit—Church—Church of the Messiah, East Grand Blvd. and Lafayette Ave., 2 story and basement, 60 x 120 ft. rein.-con., brick, steel and stone, plain foundation, East Grand Blvd., to Corrick Bros., 507 Owen Bldg. Archts. est. $150,000.

Mich., Detroit—Hotel—Tuller Hotel Co., Park and Adams Aves., 14 story, concrete, brick and steel to Van Blarcom Co., Plymouth Bldg., Cleveland, O. Archts. est. $1,000,000.

Minn., Eveleth—Lodge—Elks Lodge, c/o E. Hatch, 3 story and basement, rein.-con., brick and tile, Jones St., (basement and first floor), to Minnesota Utilities Co., 232 Grant Ave. Total cost $150,000. Noted Dec. 9, 1920.

S. D., Sioux Falls—Apartment—Blackstone Apartment Corp., general contract for 4 story and basement, 97 x 136 ft. rein.-con., brick, stone and tile, 12th and Dakota Sts., to Carlson & Snitkey, Sioux Falls. Total est. $200,000.

Calif., San Francisco — Apartment — Kiernan & O'Brien, 1756 Mission St., will build 6 story and basement, rein.-con. and steel, Geary St. near Taylor St., by day labor. $225,000. A. W Burgren, French Bank Bldg, archt. Noted Oct. 5.

Calif., San Francisco — Church and School—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., 3 story, rein.-con. and steel, Filbert St., general contract to Grace & Bernieri, Claus Spreckels Bldg., $151,500. Noted Oct. 5.

Que., Montreal—Catholic School Comrs., St. Catherine St. W., 3 story, 60 x 160 ft. brick, on Christophe Colomb St., to A. Filion & Bros., 2419 St. Denis St. $191,900.

Federal Government Work

PROPOSED WORK

N. Y., Iona Island—Quarters—Spec. 4,743—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 1 double set quarters, here.

Pa., Phila.—Dredging, etc.—Spec. 4,738—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging, filling and constructing bulkheads, here.

Va., Norfolk—Power Houses, etc.—Constructing Quartermaster, Norfolk, plans 2 power houses with wells, fuel tanks, etc., at Ft. Story, here.

N. C., Moorhead City—Repairs—Spec. 4,739—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairs to radio buildings, here.

Wash., Keyport—Extension—Spec. 4,744—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans extension to torpedo storage building, here.

Calif., Mare Island—Extension to Shell House, etc.—Spec. 4,742—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans second extension to shell house and magazine, here.

Calif., San Diego—Coaling Plant, etc.—Spec. 4734—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans coaling plant and rebuilding Quarters C, here.

Calif., San Diego—Covering Railroad Track—Spec. 4737—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans covering railroad tracks, at Marine Barracks, here.

Calif., San Diego—Garage, Sewer, etc.—Spec. 4741—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans garage, sewer, pavement and fence, here.

H. T., Pearl Harbor—Refrigerating and Ice-Making Plant—Spec. 4,735—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans refrigerating and ice-making plant, here.

BIDS DESIRED

N. Y., Buffalo—Dump Scows—Nov. 6 at office U. S. Engineer, three 400 cu.yd. steel dump scows; adv. this issue.

N. Y., New York—Laundry—Nov. 1 by Treas. Dept. Wash., D. C., for construction incl. mechanical equipment, laundry building for U. S. Veterans' Hospital, Bronx, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

D. C., Wash.—Laboratory—Oct. 24 by Interior Dept., for laboratory building at St. Elizabeths Hospital, here.

CRANES—WILMINGTON, DEL.

Bids were opened Sept. 8, by Bd. Harbor Comrs., for furnishing locomotive and portal cranes for marine terminals. Following is list of bidders with their respective bids:

LOCOMOTIVE CRANES

Firm	Capacity 12 Ft. Lb.	Capacity 30 Ft. Lb.	Capacity 50 Ft. Lb.	Ballast	Rail Clamp	Weight	Speeds Propelling Fpm.	Speeds Sluing Rpm.	Single Line Hoisting Fpm.	Cylinder	Drums	Draw Bar, Lb.	Bid B1	Bid B2	Bid B3
Ohio Locomotive Crane Co., Bucyrus, O.	50,400	15,200	7,500	12T Furnished	Yes	128,600	—600	—5	200	10 x 10	2	9,000	$12,125 F.o.b. Wilmington	$12,275	$12,425
Link-Belt Co., Nicetown, Philadelphia, Pa.	50,000	15,600	8,000	12T Furnished	X	144,000	—600	5	200	8 x 10	1	6,000	11,550 F.o.b. Wilmington	11,675	12,800
											2		11,700	11,825	12,950
Orton & Steinbrenner Co., Chicago, Ill	50,000	13,400	7,100	Furnished	Yes	142,000	500	4½	240	9 x 10	1	X	10,080	10,161	10,242
											2		10,305 F.o.b. Wilmington	16,386	10,467
Brown Hoisting Machinery Co., Cleveland, O.	Y	15,600	8,300	X	Yes	123,100	635	3	200	7 x 9	1	7,650	11,030 Z	11,220 Z	11,280 Z
The Browning Co., Cleveland, O.	U	14,500	7,000	Not furnished	Yes	134,200	535	4	247	8 x 10	2	9,000	10,838	10,958	11,078

X—Not specified. Y—17 ft. = 30,900 lb. Z—3 locomotive cranes + 2 portal cranes = $61,000. U—15 ft. = 35,700 lb.

PORTAL CRANES

Firm	Single Line Capacity	Speed Single Line	Speed Boom Hoist	Speed Travel	Speed Rotating	Rail Clamp	Mounting	Motors Hoisting	Motors Boom Hoist	Motors Travel	Motors Rotating	Working Radius	Bid C1	Bid C2
Lakeside Bridge & Steel Co., N. Milwaukee, Wis.	2½ T.	450 fpm.	50 fpm.	200 fpm.	3 rpm.	Yes	4–24 in. ϕ C1 Wheels	40 hp. 1,130 rpm.	20 hp. 1,130 rpm	2–10 hp. 800 rpm.	20 hp. 800 rpm.	50	$28,350	$50,900
Heyl & Patterson, Inc. 5 Water St., Pittsburgh, Pa.	2½ T.	225 fpm.	X	200 fpm.	4 rpm.	Yes	4–30 in. ϕ C1 Wheels	35 hp. 500 rpm. G. E.	15 hp. 600 rpm. G. E.	15 hp. 600 rpm. G. E.	15 hp. 600 rpm. G. E.	50	18,000	31,000
Dravo Cont. Co., Pittsburgh, Pa.	2½	225 fpm.	70	150–200	2–3	Yes	4–30 in. ϕ C1 Wheel	40 hp. X rpm.	15 hp. X rpm. G. E. or Westinghouse	15 hp. X rpm.	15 hp. X rpm.	50	17,100	31,800
Wellman-Seaver-Morgan Co., 7000 Central Ave., Cleveland, O.	5,600 lb.	200	X	X	2	Yes	4–24 in. ϕ C1	35 hp. X rpm. G. E.	5 hp. X rpm. G. E.	10 hp. X rpm. G. E.	10 hp. X rpm. G. E.	50	20,000	35,000
			Hand operated					25 hp.	X	7 hp.	10 hp.	40	16,875	31,750
Brown Hoisting Machinery Co., Cleveland, O.	6,400 lb.	250	X	200	4	Yes	4–28 in. ϕ C1	Hand operated				55	16,000 Z	29,300 Z
								1–100 hp. 600 rpm. G. E.						
The Browning Co., Cleveland, O.	2½ T.	225	X	350	4	X	4–26 in. ϕ	87 hp. Westinghouse			27 hp.	52	14,677	29,354

X—Not specified. Z—2 portal cranes + 3 locomotive cranes = $61,000.00.

Federal Government Work (Continued)

O., Chillicothe—Hospital—Nov. 14 at office Quartermaster General, Munitions Bldg., Wash., D. C., construction U. S. Veterans Hospital, here. Noted Sept. 21.

Mich., Adrian—Extension—Oct. 26 by Treas. Dept., Wash., D. C., extension to workroom and driveway, here.

Ill., Chicago—Breakwater—Nov. 6 at office U. S. Engineer, 537 South Dearborn St., concrete caisson breakwater at Indiana Harbor, Ind.; adv. this issue.

Wis., Milwaukee—Pier, etc.—Nov. 6 at office U. S. Engineer, pile pier, removing old timber crib pier, and dredging at Racine Harbor; adv. this issue.

Colo., Fitzsimons—Alterations, etc.—Nov. 1 at office Constructing Quartermaster, Fitzsimons General Hospital, alterations and additions to professional services building, womens ward, etc.; adv. this issue.

BID RECEIVED

W. Va., Parkersburg—Extension—Treas. Dept., Wash., D. C., extension to U. S. Post Office, here, from Pearce Bros., Inc., 220 West 42nd St., New York City, $11,958; E. M. Enright, Parkersburg, $14,400; Devault & Dietrick, Canton, O. (street address not available) $14,505.

La., Alexandria—Extension, etc.—Treas. Dept., Wash., D. C., extension, remodeling, etc., U. S. Post Office and Court House, here, from W. MacDonald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $64,500; H. W. Bond & Bros., New Orleans, (street address not available) $64,600; Progressive Constr. Co., Alexandria, $66,675. Noted Sept. 7.

Utah, Eureka—Post Office—Treas. Dept., Wash., D. C., for U. S. Post Office, here, from G. A. Whitmeyer & Sons, 2,759 Grant Ave., Ogden, $35,200; Johnson Constr. Co., 64 Bway, Fargo, N. D., $37,997; Devault & Dietrick, Canton, O. (street address not available) $39,190. Noted Sept. 7.

CONTRACTS AWARDED

Md., Edgewood — Stables — Constructing Quartermaster, Aberdeen Proving Ground, 20 stable buildings, here, to Northeastern Constr. Co., Lexington Bldg., Baltimore, $24,035. Noted Sept. 21.

Miscellaneous

PROPOSED WORK

Lighting System—Lakewood (Cleveland, P. O.)—Plans installing new white way lighting system in Clifton Blvd., Detroit and Madison Aves. $200,000. E. H. Fischer, City hall, engr.

Transmission Line—Loretto, Mich.—See "Industrial Works."

Levees—Dallas, Tex.—Attorney Generals Dept., Austin approved $69,000 bonds issue for Levee Dist. 6 in Dallas Co. Address A. C. Allen, co. judge.

Track Electrification — Dallas, Tex. — Texas Interurban Ry. plans to electrify tracks of Missouri, Kansas & Texas R.R. between here and Denton, 30 mi.

Steam Road Roller—Guelph, Ont.—Plans to purchase new steam road roller. F. McArthur, city engr.

BIDS DESIRED

Foundation, etc. — New York, N. Y. — Oct. 20, by Transit Comn., 49 Lafayette St., foundation for 3rd addition to shops at Lenox Ave. and 148th St. Yard, also furnishing and erecting steel for above.

Equipment—Wash., D. C.—Oct. 24, 30, Nov. 13 and 21, by Dist. Comrs., 509 Dist. Bldg., Wash., D. C., equipment for New Eastern High School, C. H. Rudolph, J. F. Oyster and C. Keller, comrs.; adv. this issue.

Trucks, etc.—Cleveland, O.—R. H. Murdock, City Hall, taking bids two 10 ton trucks and 6 snow plows.

BIDS RECEIVED

Parking Space—Coney Island (Brooklyn, P. O.) N. Y.—Dept. Parks, Municipal Bldg., New York, opened bids Oct. 5, concrete parking space at Dreamland Park, here, from Boro Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $28,091; C. Gallagher, 745 Dean St., Brooklyn, $32,218; G. M. Mandatio, 129 29th St., Brooklyn, $32,696.

Rolling Segment, etc.—New York, N. Y.—Bd. Purch., Municipal Bldg., opened Bids Oct. 6, furnishing and delivering rolling segment and track girders to Dept. Plant & Structures, from Vulcan Rail & Constr. Co., Maspeth, $26,442; Amer. Bridge Co., 30 Church St., $60,534.

Cement—Turlock, Calif.—Turlock Irrigation Dist., furnishing and delivering 50,000 to 75,000 bbl. cement, from Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco, $3.94 per bbl., $0.10 each for returned sacks, 5% cash discount. Noted Sept. 21.

CONTRACTS AWARDED

Gas Line—Mt. Morris, N. Y.—Pavillion Natural Gas Co., will build 14 mi. gas pipe line between here and Dansville, by day labor. $60,000. Noted Aug. 10.

Coal Handling Plant—New York, N. Y.—Bd. Health, 505 Pearl St., altering and erecting coal handling plant at Riverside Hospital, North Brother Island, Bronx, to McHarg-Barton Co., 1328 Bway., $16,800. Engrs. est. $17,000. Noted Oct. 5.

Plumbing and Drainage Work, etc.—New York, N. Y.—Bd. Educ., 500 Park Ave., plumbing and drainage work in P. S. 139, to J. J. Kenny Sons, 236 West 20th St., $39,100; electric wiring and fittings in above school, to Jandous Electric Equipment Co., 109 West 31st St., $20,900. Noted Oct. 5.

Snow Plows, etc.—Rochester, N. Y.—Bd. Supervs. Monroe Co., furnishing 16 snow plows and other equipment for attachment to highway trucks also snow plows and equipment for clearing highways, for use on tractors, owned by county, to Good Roads Mchy. Co., New York, $3,650. Noted Sept. 14.

Heating Plant, etc.—Cleveland, O.—Bd. Educ., East 6th St. and Rockwell Ave., steam heating plant incl. 2 heating boilers, stokers and blowers in Collinwood High School, to Feldman Bros., 10,305 Barrett Ave., $235,585.

Cement — Detroit, Mich. — Dept. Pub. Wks., City Hall, furnishing 40,000 bbl. portland cement f.o.b. Detroit, to Aetna Portland Cement Co, 412 Union Trust Bldg., $3.23 per bbl. in cloth sacks, $2.98 per bbl. in paper sacks.

Transmission Line — Dane, Wis. — Wisconsin Light & Power Co., 900 Gay Bldg., Madison, will build 66,000 voltage transmission line from here to Fond du Lac, to carry energy for Prairie du Sac plant to Eastern Wisconsin distribution system. Work will be done by day labor. Private plans.

Levee — Locke, Wash. — Comrs. Locke Drainage Dist., Pend Oreille Co., levee, concrete culvert, pump, engine, housing and tile, steam shovel and scraper work, 80,000 cu.yd. dry earth excav., to Standard Asphalt Co., North 517 Lincoln St., Spokane, at $0.39 per cu.yd., total about $45,000. Noted Sept. 21 under "Excavation, Drainage, Irrigation."

Pier — Montreal, Que. — Harbor Comrs., 300 ft. extension to Jacques Cartier Pier, to Sterling Constr. Co., Montreal, (street address not available), $150,000. Noted Sept. 14.

Wharf—Montreal, Que.—Harbor Comrs., 500 ft. concrete extension to Imperial Oil Wharf, Longue Pointe, to Barrett-McQueen Ltd., 737 Canada Cement Bldg., $200,000.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Building, Delivering and Erecting Steam Pumps
(HEMPHILL PUMPING STATION)

Atlanta, Ga.

Sealed proposals for building, delivering and erecting 15 and 30 M.G.D. Steam Turbine Driven Centrifugal Pumps and 15 M.G.D. Cross Compound Pumping Engines for the City of Atlanta, Georgia, will be received by the Purchasing Agent of the City of Atlanta at the City Hall until 2:30 p.m. on the 31st day of October, 1922.

The work will consist of building, delivering and erecting complete with all accessories, one or more Steam Pumps on foundations erected by the City of Atlanta in the Hemphill Pumping Station. The sizes and type of pumps will be determined after receiving bids.

Each proposal must be accompanied by a certified check payable to the City of Atlanta, in an amount equal to five (5) per cent of the bid, as a guarantee that the contract will be entered into if awarded. A bond of one hundred (100%) per cent of the contract price will be required.

Plans and specifications are on file at the office of the General Manager of the Atlanta Water Works, City Hall, Atlanta, Georgia. P. H. Norcross, Consulting Engineer, 1404 Candler Building, Atlanta, Georgia, and with the Engineering News-Record, New York City.

Bidders may obtain copies of the specifications from the Purchasing Agent by enclosing check for twenty-five dollars ($25.00) payable to the City of Atlanta, and to be held until return of specifications in good condition. The City reserves the right to reject any and all bids.

No proposal will be entertained unless made on the form, and sealed in the envelope furnished by the City of Atlanta.

Purchasing Agent, City of Atlanta, Ga.

Bids: Oct. 17.

Cast Iron Pipes

Canandaigua, N. Y.

Sealed proposals will be received by the Board of Public Works at its office in the City Hall, Canandaigua, N. Y., until eight o'clock P.M., October 17th, 1922, for the furnishing of eight hundred and sixty-five tons (865) of sixteen (16) inch Class C cast iron pipe and twenty-three (23) tons of twelve (12) inch Class C cast iron pipe and five (5) tons of cast iron specials. All pipes and specials to be manufactured in accordance with American Water Works Association specifications.

Proposals must be enclosed in plain sealed envelopes and marked "Proposal for Furnishing Cast Iron Pipe."

Copies of the specifications may be obtained at the office of the City Clerk, City Hall, Canandaigua, N. Y., or at the office of W. S. Lozier, Consulting Engineer, 321 Cutler Bldg., Rochester, N. Y.

Bids must be accompanied by a certified check for two thousand ($2,000) dollars payable to the Treasurer of the City of Canandaigua. In case of failure or neglect to enter into the contract or furnish the necessary bond within the time specified the certified check will be forfeited to the City of Canandaigua. A performance bond to the sum of fifty (50) per cent of the contract will be required.

The Board reserves the right to reject any and all bids or to accept any bid which it deems most favorable to the interests of the city.

BOARD OF PUBLIC WORKS.
H. A. BEEMAN,
WM. GARRATT,
ROY E. POOL.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Building, Delivering and Erecting Steam Pumps
(CHATTAHOOCHEE RIVER PUMPING STATION)

Atlanta, Ga.

Sealed proposals for building, delivering and erecting 15 and 30 M.G.D. Steam Turbine Driven Centrifugal Pumps and 15 M.G.D. Cross Compound Pumping Engines for the City of Atlanta, Georgia, will be received by the Purchasing Agent of the City of Atlanta at the City Hall until 2:30 p.m. on the 31st day of October, 1922.

The work will consist of building, delivering and erecting complete with all accessories, one or more Steam Pumps on foundations erected by the City of Atlanta in the Chattahoochee River Pumping Station. The sizes and type of pumps will be determined after receiving bids.

Each proposal must be accompanied by a certified check payable to the City of Atlanta, in an amount equal to five (5) per cent of the bid, as a guarantee that the contract will be entered into if awarded. A bond of one hundred (100%) per cent of the contract price will be required.

Plans and specifications are on file at the office of the General Manager of the Atlanta Water Works, City Hall, Atlanta, Georgia, P. H. Norcross, Consulting Engineer, 1404 Candler Building, Atlanta, Georgia, and with the Engineering News-Record, New York City.

Bidders may obtain copies of the specifications from the Purchasing Agent by enclosing check for twenty-five dollars ($25.00) payable to the City of Atlanta, and to be held until return of specifications in good condition. The City reserves the right to reject any and all bids.

No proposal will be entertained unless made on the form, and sealed in the envelope furnished by the City of Atlanta.

Purchasing Agent, City of Atlanta, Ga.

Bids: Oct. 24.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock P. M., on Tuesday the 24th day of October, 1922 for the improvement of highways in the following counties:

HAMILTON .....(one highway: 3.57)
ORANGE .....(one highway: 3.71)
SARATOGA .....(one highway: 2.67)
SUFFOLK ....(two highways: 2.41 & 0.09)

ALSO FOR THE RECONSTRUCTION OF THE FOLLOWING:

BROOME .....(one contract: 2.27)
CHEMUNG .....(one contract: 3.00)
CLINTON .....(one contract: 3.19)
OTSEGO .....(one contract: 2.00)
STEUBEN .....(one contract: 2.50)
SUFFOLK .....(one contract: 2.36)
WESTCHESTER .....(one contract: 2.67)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "Geueral Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner,
State Commission of Highways.
J. C. FINCH, Secretary.

OFFICIAL PROPOSALS

Bids: Oct. 24.

Sewage Disposal Plant

Albuquerque, N. M.

Sealed proposals will be received at the office of the City Clerk of the City of Albuquerque, New Mexico, until 2:00 o'clock p.m. on Tuesday, the 24th day of October, 1922, for constructing a certain sewage disposal plant for the City of Albuquerque, New Mexico. Each bidder will be required to deposit with the City Clerk to the credit of the City of Albuquerque without endorsement a certified check of deposit in the sum of ten per cent of the total amount bid, as a guaranty that the bidder will enter into contract and execute all bonds and guaranty in the forms provided within ten days after the notice of award of contract to him.

Bidders are expected to inspect the site of the work and to inform themselves regarding all local conditions. Instructions to bidders, proposal and contract forms, plans and specifications are on file at the office of the City Engineer, City Hall, Albuquerque, New Mexico. Copies of plans and specifications may be secured from the city engineer on or after October 5th, 1922 upon deposit of $50.00, to be returned to contractor upon submission of a bona fide bid on the work with plans and specifications, or upon returning plans and specifications intact prior to the date of receiving bids. Otherwise the deposit will be forfeited to the City of Albuquerque.

The City of Albuquerque reserves the right to reject any or all bids.

B. H. CALKINS, City Manager.
FRANK KIMBALL, City Engineer.
IDA V. MALONE, City Clerk.

Bids: Oct. 24.

Concrete Water Reservoir

Albuquerque, N. M.

Sealed proposals will be received at the office of the City Clerk of the City of Albuquerque, New Mexico, until 2:00 o'clock p.m. on Tuesday, the 24th day of October, 1922, for constructing a certain reinforced concrete water reservoir for the City of Albuquerque, New Mexico. Each bidder will be required to deposit with the City Clerk to the credit of the City of Albuquerque without endorsement a certified check of deposit in the sum of ten per cent of the total amount bid, as a guaranty that the bidder will enter into contract and execute all bonds and guaranty in the forms provided within ten days after the notice of the award of the contract to him.

Instructions to bidders, proposal and contract forms, plans and specifications are on file at the office of the City Engineer, City Hall, Albuquerque, New Mexico. Copies of plans and specifications may be secured from the City Engineer on and after October 5th, 1922, upon deposit of $15.00, to be returned to the contractor upon submission of a bona fide bid on the work with plans and specifications, or upon returning plans and specifications intact prior to the date of receiving bids. Otherwise the deposit will be forfeited to the City of Albuquerque.

The City of Albuquerque reserves the right to reject any or all bids.

B. H. CALKINS, City Manager.
FRANK KIMBALL, City Engineer.
IDA V. MALONE, City Clerk.

OFFICIAL PROPOSALS

Bids: Nov. 1.

Construction of Power House

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Wednesday, November 1st, 1922, at which place and hour they will be publicly opened and read, for the development of canal water power pursuant to the provisions of Chapter 532 of the Laws of 1922, as follows:

CONTRACT B-3—VISCHER FERRY POWER HOUSE

For constructing a power house and work incidental thereto, at Vischer Ferry dam, County of Saratoga.

Sheets 1-15, inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, forms of contract and bonds required, and other information for proposers, may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Eastern Division, Wedgeway Building,, Schenectady, N. Y.; at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division, at Rochester, N. Y.; at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bond, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposit of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner, if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.

October 7th, 1922.

OFFICIAL PROPOSALS

Bids: Nov. 2.

Sewer Tunnel

Tulsa, Okla.

Sealed proposals will be received by the Board of Commissioners of the City of Tulsa, Oklahoma, until five o'clock P.M., November 2nd, 1922, for the construction of a Storm Sewer 5,700 feet long, 5,100 feet of which will be in tunnel cut. Approximate size 14½ x 15½ feet. Bond issue $900,000. Estimates payable in cash. Certified bidding check five per cent.

Plans and profiles, etc., may be secured from City Engineer, upon deposit of $25, which will be refunded to all parties submitting a bona fide bid.

CHARLES SCHULTZ,
City Engineer.

W. W. HORNER,
Consulting Engineer,
St. Louis, Mo.

South Nyack, New York Saved $2,642.20

Through advertising for bids on a paving contract in *Engineering News-Record*.

This publicity in these Official Proposal Columns is a mighty profitable investment for any community.

It Costs so little, too.

Bids: Oct. 21.

Stone Jetties, Seawalls, etc.

Longport, N. J.

Sealed proposals for the construction or extension of stone or slag jetties or stone sea walls; the placing of stone along the toe of the seawall; the furnishing of stone or slag and placing same in floats and placing floats in position; and the construction of a bulkhead, or any or all of them, on the Atlantic Ocean, in the Borough of Longport, County of Atlantic, State of New Jersey, will be received by the Board of Commissioners of the Borough of Longport, at 3:00 o'clock in the afternoon, October 21, 1922, during a regular meeting of said Board of Commissioners, at the Commission Chamber, Borough Hall, Longport, N. J.; said bids to be opened and read in public at the aforesaid time and place.

Plans, specifications and form of bid, certificate of surety, contract and bond, covering proposed work, are on file in the office of the Borough Clerk, at Borough Hall, Longport, N. J., where they may be inspected during business hours. Any prospective bidder will be furnished with a complete set of the plans and specifications of the proposed work in consideration of a deposit of $10.00 and such deposit will be refunded if both plans and specifications are returned in good condition on or before October 21, 1922. Each bid must be made on the standard proposal form in the manner required by the specifications, must be enclosed in a sealed envelope marked "Proposals for Construction of Stone Jetties or Stone Seawalls, etc., or any or all of them, at Longport, N. J., to be opened at 3:00 P.M., October 21, 1922, and with the certificate of surety properly filled in, and shall be enclosed in another envelope addressed to William S. Gilmore, Borough Clerk, Borough Hall, Longport, N. J. These envelopes must not be marked in any other manner. Each bid must be accompanied by a certified check payable to the Director of Revenue and Finance, or cash, in the amount of $1,000.00 and no bid will be received after the hour fixed for receipt of bids.

A contract will be awarded, if awarded at all, within one month of the date of receiving bids.

The right is reserved to reject any or all bids.

By order of the Board of Commissioners of the Borough of Longport, N. J.

WILLIAM S. GILMORE,
Borough Clerk.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Barge Canal Terminals

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, October 31st, 1922, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

TERMINAL CONTRACT NO. 91.

For paving a portion of the terminal site at Hallets Cove, New York City.

Contract plans, sheets 1 to 3 inclusive.

Plans may be seen and detailed specifications, engineers' estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.

September 28, 1922.

OFFICIAL PROPOSALS

Bids: Oct. 24.

Road Work

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the followin:

Route No. 4, Section No. 7-A, New Gretna Alternate, Burlington County; estimated amount of gravel surface eight (8) inches thick is 13,618 square yards.

Bids will be received at the office of the State Highway Commission at the Broad Street Bank Building, Trenton, New Jersey, on Tuesday, October 24, 1922, at 11:00 A.M. and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated therein and as required by the 1922 specifications, same to be enclosed in sealed special addressed envelopes bearing the name and address of bidder and the name and section of the Route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that said certified check shall not be less than $500.00 or more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: Oct. 25.

Highway Work

Raleigh, N. C.

Sealed bids for the construction of the following Projects will be received by the North Carolina State Highway Commission at Raleigh, N. C., until 10.00 a.m., on the 25th day of October, 1922, when they will be opened and read:

Hard surface (Concrete or Asphaltic Paving Projects), including grading, reinforced concrete or cast iron pipe, structures, etc.

Project No.	County	Length (Miles)
101	Beaufort	4.23
105-A	Beaufort	2.00
105-B	Beaufort	5.04
113-B	Chowan	9.89
220 & 282	Duplin-Wayne	28.75
901	Buncombe	7.52

Topsoil, Sand Clay, or Gravel Projects, including grading, drainage pipe, structures, etc.

133	Gates-Pasquotank	14.09
152	Hyde	10.89

BRIDGE PROJECT

254	Lenoir-Pitt	1 70 ft. low steel truss, 1 78 ft. Strauss Bascule and 5 40 ft. R. C. Deck Girder approach spans.

Specifications, proposal forms, etc., may be obtained from the State Highway Commission at Raleigh, N. C.

Plans may be seen in the Raleigh office, or in the offices of the District Engineers.

Bridge plans may be obtained from the State Highway Commission at Raleigh, N. C., upon payment of five ($5.00) dollars per set.

The right is reserved to reject any or all bids.

By order of the North Carolina State Highway Commission.

Bids: Dec. 11.

Labor-Material Percentage Contract

New Orleans, La.

Sealed proposals will be received at the Sewerage and Water Board, Room 401, No. 526 Carondelet Street, New Orleans, La., up to 12 o'clock noon of Monday, December 11th, 1922, on Labor-Material Percentage Contract for year 1923.

Specifications and blank forms of proposal may be obtained at the office of the Board.

The right is reserved to reject any or all bids.

October 12th, 1922.

A. G. MOFFAT,
Secretary.

GEO. G. EARL,
General Superintendent.

A Bonding Company's Suggestion to Official Proposal Advertisers

"A large part of our contract bond business is submitted to us by wire, and I am a constant reader of the Official Proposals in order to find out the size and nature of the work that is referred to in the bond application. Very frequently I am unable to get any clear idea of what the advertisers are asking bids on, and of course the prospective bidder or contractor is also at a loss to know what kind of a job is being advertised.

"Traveling expenses are heavy at the present time, and contractors pay out considerable sums during the course of a year in investigating prospective contracts. This of course is a large charge that the owners eventually pay, and anything that will reduce the general overhead of contract work will eventually be to the advantage of the owner.

"One way to reduce this overhead is to word the advertisement so that the contractor sitting in his office will know whether or not he should investigate and prepare a bid on the proposed work."

Bids: Oct. 17.

Highway Work

Harrisburg, Pa.

Pennsylvania State Highway Department, Harrisburg, Pa. Sealed proposals will be received at the State Capitol until 10 a.m., October 17, 1922, when bids will be publicly opened and scheduled and contract awarded as soon thereafter as possible for the reconstruction of 30 miles of Reinforced Concrete, 18 miles of either Bituminous on a Concrete Foundation or Reinforced Concrete and 1 mile of Bituminous Macadam Pavement; also for the erection of a Reinforced Concrete Bridge. Bidding blanks and specifications may be obtained free, and plans upon payment of $2.50 per set, upon application to State Highway Department, Harrisburg. No refund for plans returned. They also can be seen at office of State Highway Department, Harrisburg, 1001 Chestnut Street, Philadelphia, and 119 Federal Street, N. S., Pittsburgh, Pa. GEORGE H. BILES, Assistant State Highway Commissioner.

Bids: Oct. 31.

Hospital Construction

New York, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work, for Central Heating and Lighting Plant, Kitchen and Dining Room Building and Buildings for Chronic Patients (North and South), and Construction of Tunnels at the Creedmoor Division, Brooklyn State Hospital, Creedmoor, Borough of Queens, Long Island, N. Y., will be received by the State Hospital Commission, Room 1046, 25 Broadway, New York City, N. Y., until 12 o'clock noon (Standard Time), on Tuesday, October 31st, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contracts within thirty (30) days after official notice of award of contracts and in accordance with the terms of Specifications Nos. 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3986, 3987, 3988, 3989, 3990 and 3995. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Brooklyn State Hospital, Brooklyn, N. Y., at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a certified check in the sum of $25.00 made payable to the State of New York for each set of plans and specifications, which check will be returned if plans and specifications are returned in good condition to the State Architect, L. F. Pilcher, Capitol, Albany N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: September 21, 1922.

Bids: Oct. 24.

Bridge Repairs

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:—

For repairs to bridge over Barnegat Bay from Seaside Heights to Island Heights, in the Municipality of Dover, County of Ocean.

Bids for the above will be received at the office of the State Highway Commission, Broad St. Bank Building, Trenton, N. J., on October 24th, 1922, at 11:00 A.M., and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond form for the proposed work are on file in the office of Mr. John L. Vogel, Bridge Engineer, 772 Broad St., Newark, N. J., and may be inspected by prospective bidders. Plans will be furnished on deposit of ten ($10.00) dollars, for doing this work upon application to Mr. John L. Vogel, Bridge Engineer, 772 Broad St., Newark, N. J. Bids must be made on the standard proposal form in the manner designated therein and as required by the specifications for this work; same to be enclosed in sealed special addressed envelopes, bearing the name and address of bidder and the work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the State Treasurer for not less than ten (10%) per cent of the amount of the bid, provided the said certified check shall not be less than $500.00 nor more than $20,000 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelope will be furnished on application to Mr. John L. Vogel, Bridge Engineer, 772 Broad St., Newark, N. J. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a Surety Company duly authorized to do business in this State, stating that such Surety Company will provide said bidder with a bond in such sum as is required in and in accordance with the specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Sewage Disposal Plant

Indianapolis, Ind.

Sealed proposals will be received by the Board of Sanitary Commissioners, Sanitary District of Indianapolis, at its office in the City Hall, Indianapolis, Indiana, until 10 A.M., October 31st, 1922, at which time bids will be publicly opened and scheduled and awards made as soon thereafter as practicable, for the construction of Section 3, Division III, and furnishing and erecting mechanical equipment for the Sewage Disposal Plant of the Sanitary District of Indianapolis, in accordance with plans and specifications on file at the office of the Board. This construction and equipment consists of the following items:—

1. *Activated Sludge Plant:*
   a. Aeration and Settling Tanks, including Pipe Gallery and Connecting Conduits.
   b. Air Mains, Air Distribution System; Sewage, Sludge and Drain Piping.
   c. Sluice Gates and Gate Valves.
   d. Air Control and Drain Valves.
   e. Diffuser Plates.
   f. Air and Sewage Meters and Recorders.
   g. Sludge Removal Equipment, Erected.
2. *Power Plant Auxiliary Equipment:*
   a. Boiler Settings and Breeching.
   b. Coal Storage Bunker.
   c. Coal Handling Equipment.
   d. Power Plant Piping.
   e. Boiler Feed Pumps and Regulators.
   f. Feed Water Heaters and Softening System.

Each bidder shall be required to deposit with his bid a certified check in the amount as provided in said specifications and information to bidders, to secure the execution of the contract for which bid is made.

Copies of plans and specifications and general information may be obtained at the office of Charles H. Hurd, 1405 Merchants Bank Building, Indianapolis, Indiana.

The Board reserves the right to reject any and all bids.

BOARD OF SANITARY COMMISSIONERS.
JAY A. CRAVEN, President.
JOHN L. ELLIOTT, Vice-Pres.
LUCIUS B. SWIFT.

Bids: Oct. 17.

Air Compressor and Tools

Memphis, Tenn.

The Memphis Artesian Water Department will receive bids at its offices, 105-107 North Second Street, Memphis, Tennessee, up until 1 P.M., Tuesday, October 17th, 1922, for furnishing delivered f. o. b. Memphis, Tennessee, one Portable Gasoline Engine Driven Air Compressor mounted on trucks of steel construction, together with tools, etc. Bids will be submitted on machines of sizes listed below:

Portable Air Compressor Piston Displacement approximately 80 cubic feet of air per minute.

Portable Air Compressor Piston Displacement 100 to 120 cubic feet of air per minute.

Portable Air Compressor Piston Displacement 160 to 210 cubic feet of air per minute.

Only one machine will be purchased, the Commissioners reserving the right to determine the size of such machine after bids are opened. Bidders to submit prices based on machines constructed in accordance with their standard specifications, copy of such specifications, together with full information regarding the operation of machines, to accompany bids.

TOOLS—SUBMIT UNIT PRICES.

4 Pneumatic Hammers, 2 inch stroke;
4 Sets Lead Corking Tools, for use with above hammers;
8 Diamond Point Chisels, for use with above hammers;
4 50 ft. sections plain and wire wrapped hose of necessary size for use with above tools, each length coupled complete;
3 Reamers for tamping back fill in pipe trenches;
4 50 ft. sections of plain and wire wrapped hose of necessary size for use with above tools, each length coupled complete.

The right is reserved to accept the machine best adapted to local conditions, regardless of price. Time of delivery will be given due consideration. All bids may be rejected at the pleasure of the Commission.

Address proposals to Board of Water Commissioners, Memphis Artesian Water Department, Memphis, Tennessee; mark "Bid on Air Compressor."

JAMES SHEAHAN,
Acting General Superintendent.

Bids: Nov. 29.

Filtration Plant and Reservoir

San Juan, Porto Rico.

Sealed proposals for the furnishing of all labor and material for the construction of a 8,000,000 gals. filtration plant and a 10,500,000 gals. filtered water concrete reservoir for the City of San Juan will be received in the office of the Commissioner of Public Service until November 29, 1922, at 10 A.M.

All plans, specifications, instruction to bidders, blanks, forms for proposals and all other information may be obtained at the office of the City Commissioner of Public Works at San Juan, Porto Rico.

The right is reserved to reject any and all bids.

MARTIN TRAVIESO,
Commissioner of Public Service.

Thank You, Mr. Ferguson

"We just let contracts for approximately 25 miles of road construction yesterday and I attribute to a great extent the large number of bidders we had to the Publicity we received through the *News-Record*."

Very truly yours,
Angus Ferguson, Ch. Engr.,
Traylor County Road Department
Grafton, W. Va.

Bids: Oct. 21.

Water System

Mayfield, N. Y.

Sealed proposals for furnishing all labor and materials for the construction of water system for the Village of Mayfield, New York, will be received the 21st day of October, 1922, at the office of the Village Clerk of such village, until two o'clock P.M. of that day, at which time and place, all proposals will be opened and read.

The work includes the following approximate quantities:

17,000 lin.ft. trench excavation and backfill.
3 miles water pipe.
5 tons C. I. specials.
34 hydrants.
18 gate valves.
125 cu.yd. concrete.
1,750 ft. vitrified pipe.
Pump house superstructure.

Each proposal shall be accompanied by a certified check or New York draft, payable to the Village Treasurer, for the sum of $2,500.00, and the successful contractor for the construction of the work, will be required to give a bond with some satisfactory surety company authorized to do business in the state of New York, as surety, in the penalty of fifty per cent of the amount of the bid, both the form of the bond and surety to be satisfactory to the Board of Trustees.

Plans and specifications, approximate quantities and proposal forms upon which the bids must be submitted, may be seen at the office of the Board of Trustees. Copies of the specifications and proposal forms may be had upon application to the Engineer.

A charge of five dollars ($5.00) will be made for a set of plans and specifications which may be obtained from the Engineer. This amount to be returned upon receipt of plans in good condition.

The Board of Trustees reserves the right to reject any or all bids.

All proposals shall be addressed "Board of Trustees," Mayfield, New York, and shall be endorsed with the name and address of the bidder, and marked "Proposal for Water System."

No proposal will be allowed to be withdrawn after it has been deposited with or received by the Board of Trustees.

For all information, address the Clerk of the Board of Trustees, or the Engineer.

MORRELL VROOMAN, Engineer,
Gloversville, New York.
FRED J. WARNER, Clerk.

Bids: Oct. 16.

Paving and Resurfacing Streets

Syracuse, N. Y.

Sealed proposals will be received at the Board of Contract & Supply until Monday, October 16th, 1922, at 9.30 a.m., for furnishing materials and Paving and Resurfacing the following streets.

NEW PAVEMENTS

Kellogg St., Slocum Ave., to Delaware St.
Shuart Ave., Sedgwick St., to Teall Ave.
Shotwell Park (W. Dr.), End of Pres. Pav't. at Melrose to S. L. lot 80.
Shotwell Park (E. Dr.), End of Pres. Pav't. at Melrose to S. I. lot 80 produced.
S. Alvord St., Butternut to Highland St.
Beecher St., Graves St. to Jasper St.
Highland St., Highland Ave., to Park St.
Jasper St., Highland St., to End of Street.
Jasper Pl., Seward St., to Highland St.
Schneider St., Butternut St., to Jasper Place.
Coleridge Ave., Wilbur Ave., to Whittier Ave.
Grand Ave., Delaware St., to City Line.
Seward St., Alvord St., to N. L. Graves St.
Graves St., Seward St., to W. L. Highland St. E. L. Highland St., to . L. Beecher St.
E. Castle St., S. State St., to Renwick Ave.
Teall Ave., James St., to Peck Ave.
Merriman Ave., Center Line Massena St., to Geddes St.
Grand Ave., Delaware St., to Geddes St.
S. Geddes St., Stolp Ave., to S. L. Crossett St.
Rugby Road, Teall Ave., to W. L. of Lots 54 & 55.
Holland St., Solcum Ave., to Oswego St.

RESURFACING

Merriman Ave., Oswego St. to Center line Massena St.
Sabine St., Merriman Ave., to Messena St.
Walnut Ave., N. L. Harrison to University Pl. (including Adams St., Marshall St., & Waverly Ave. from Walnut Ave., to Walnut Place).
S. Crouse Ave., E. Fayette St., to University Place.
Holland St., Center line Oswego St., to Delaware St.
S. Milton Ave., Tompkins St., to Coleridge Ave.
Setting back the curb 2 feet on each side of Harrison St., Warren St., to Salina St.

in the City of Syracuse, N. Y., in accordance with the plans and Specifications on file in the office of the Board of Contract and Supply.

A certified check for 5% of the total amount of each proposal, payable to the order of F. C. Sembach, City Treasurer, must accompany each proposal, the same to be forfeited upon failure to enter into contract within five days after notice of award from the Secretary of this Board.

BOARD OF CONTRACT & SUPPLY,
F. E. BARRY, Secretary.

Bids: Nov. 30.

Cast Iron Pipe and Castings

San Juan, Porto Rico.

Sealed proposals for the furnishing of about 20,020 tons of cast iron pipe and of 250 tons of special castings, or its equivalent in steel pipe and specials, delivered at San Juan, Porto Rico, for the City of San Juan, will be received in the office of the Commissioner of Public Service until November 30, 1922, at 10 A.M.

All plans, specifications, instruction to bidders, blanks, forms for proposals and all other information may be obtained at the office of the City Commissioner of Public Works at San Juan, Porto Rico.

The right is reserved to reject any and all bids.

MARTIN TRAVIESO,
Commissioner of Public Service.

Intelligent Service that Brings Unusual Results.
SWART
Contract Bonds
Compensation Insurance
92 William St., New York

Why?

WHY do Government regulations specify that contracts for construction, equipment and supplies over a certain minimum amount **must** be advertised?

WHY do the laws of most States and Municipalities specify the same thing?

WHY do so many private corporations advertise **their** big contracts?

WHY do Consulting Engineers, Architects, and others recommend and endorse the advertising of Contracts To Be Let?

And—

WHY are 90% of the advertisements on which **real national competition** is desired published in **ENGINEERING NEWS-RECORD?**

In the answers to the foregoing questions you will find unquestionable proof that

1—**Advertised Contracts** are the accepted form of public letting to insure the awarding of contracts free of prejudice.

2—**Advertised Contracts** guarantee the greatest possible saving through maximum competition and that—

3—ENGINEERING NEWS-RECORD is universally recognized as the **one** dominant medium of **national** circulation for advertising Contracts To Be Let.

Are your contracts advertised?
Are they advertised in Engineering News-Record?
If not—WHY?

0083

OFFICIAL PROPOSALS

Bids: Oct. 31.

Construction of Viaduct

Trenton, N. J.

On Tuesday, the 31st day of October, 1922, at 2:30 o'clock in the afternoon, at its regular place of meeting, in the Court House, Trenton, New Jersey, the Board of Chosen Freeholders of the County of Mercer will receive proposals:

For performing all work and labor and furnishing all the materials, tools and equipment necessary or incident to the construction and completion of a through plate girder viaduct containing a vertical lift span of the wire-rope type, over the Delaware and Raritan Canal and the Pennsylvania Railroad at Olden Avenue in Trenton, Mercer County, New Jersey, to be known as the "Olden Avenue Viaduct," in accordance with plans and specifications prepared by J. A. L. Waddell, and on file in his office, 35 Nassau Street, New York City, or in the office of the Mercer County Engineer at the Court House, Trenton, New Jersey, to which bidders are particularly referred for detailed information and for necessary proposal forms. Copies of plans and specifications may be obtained at either of the above named offices upon deposit of Ten Dollars ($10.00).

The length of steel viaduct is 400 feet including the lift span of 75 feet. Revision of the approaches brought about by a slight raise of grade, includes a small amount of embankment, pavement, sidewalk, and concrete railing. The total length of approaches is 400 feet.

The approximate quantities of the principal items are as follows:

600 tons of structural steel.
50 tons of reinforcing rods.
2,000 cu.yds. of excavation.
2,000 cu.yds. of all classes of concrete.
75,000 lbs. of machinery, cables, sheaves, etc.

Bidders' attention is called particularly to the fact that the specifications provide for a bonus of Twenty Dollars ($20.00) for each any every day that the work is completed in advance of the specified time of completion, and a penalty of the same amount per day for delay in completing the work. The entire work is to be completed within eleven (11) months after the execution of the contract.

Each bid must be accompanied by the written proposal of a surety company fulfilling the requirements of section 507, chapter, 185, laws of 1918, and the form of bond required will be substantially as described in chapter 75 of the laws of 1918. The amount of the bond required will be the full amount of the contract price. Each proposal must also be accompanied by cash or a certified check, in the amount of Ten Thousand Dollars ($10,000.00) payable to the order of Edgar G. Weart, County Treasurer, and deposited upon condition that as against the successful bidder the same will be retained by the county as liquidated damages should he fail to execute a valid contract and furnish an acceptable surety company bond within seven days from the awarding of the contract.

The right is reserved to reject any or all bids and to waive any immaterial defect or informality in any bid should it be deemed to the interest of the county to do so.

CHARLES H. REICHERT,
Director of Dept. of Bridges.

Bids: Oct. 23.

Cleaning Out, Repair and Extension of Drainage Ditches

Terre Haute, Ind.

Notice is hereby given that the undersigned, Construction Commissioner, by virtue of an order of the Superior Court of Vigo County, Indiana, made and entered in cause number 19951 on the docket of said Court entitled "In the matter of the Cleaning Out, Repair and Extension of Cox Ditch Number Two (2) in Nevins and Otter Creek Townships, Vigo County, Indiana, and the Swope Ditch in Otter Creek Township, Vigo County, Indiana," will, on the 23rd day of October, 1922, at the office of said Construction Commissioner, Room 19 National Block, 6th and Wabash Avenue, Terre Haute, Indiana, receive sealed bids for the construction of the work described in the report of the Drainage Commissioners in said cause. Said bids will be accepted at any time prior to three o'clock P.M. on said 23rd day of October, 1922.

Said work is situated in Nevins and Otter Creek Townships of Vigo County, Indiana, and consist of the widening and deepening of said Cox Ditch Number Two (2) and widening and deepening of said The Swope Ditch, and the extension of same to their outlet at Otter Creek in said Vigo County. Said work must be completed in strict accordance with the plans, specifications and profiles for same included in the Report of the Drainage Commissioners in said cause and now on file in the office of the Clerk of the Superior Court of Vigo County, Indiana, and also on file in the office of the Construction Commissioner, open to the inspection of prospective bidders.

The excavation required by said plans and specifications is 52,700 feet in length, containing 139,075 cubic yards of material to be excavated. Said work must be done by machines capable of traveling along and operating from the sides of the ditch, but not entering same, preferabdly a Caterpillar Drag Line. Work must be begun within ten (10) days after the sale of the bonds for raising the necessary funds for the construction of said work, and must be completed within 250 days from the date of commencement of said work.

Bidders will be required to file with their bids a bond payable to the State of Indiana with surety to be approved by said Construction Commissioner, in a sum equal to the amount of the bid, conditioned for the faithful performance and execution of the said work and the payment of labor and material used in said work and the payment of all damages occasioned by his nonfulfillment of said contract, as provided by law.

The contract for said work will be awarded to the lowest and best bidder therefor.

The Construction Commissioner reserves the right to reject any bid where the bidder is unable to show to said Construction Commissioner that he has the necessary equipment, in good mechanical condition, to perform the work in the manner required by the plans and specifications therefor; and to reject any or all bids.

FRED RUSH,
Construction Commissioner.
October 6, 1922.

OFFICIAL PROPOSALS

U. S. GOVERNMENT

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Oct. 6, 1922.—Sealed proposals will be opened in this office at 3 P.M., Nov. 1, 1922, for construction (including Mechanical Equipment) of a one story laundry building covering 5,130 square feet, for the United States Veterans' Hospital at the Bronx, New York, N. Y., to be completed within four months from award of contract. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms, or corporations possessing satisfactory financial and technical ability, equipment, and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. Before drawings and specifications are forwarded to prospective bidders, applicants must cite at least one specific instance where a record for speed has been established on a job of equivalent magnitude, giving date of award of contract, amount of contract, specified time for completion and date of actual completion. The fact that any concern obtains a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations. Jas. A. Wetmore, Acting Supervising Architect.

U. S. ENGINEER OFFICE, MILWAUKEE, WIS., Sept. 30, 1922. Sealed proposals will be received here until 2 p.m., Nov. 6, 1922, and then opened, for constructing pile pier, removing old timber-crib pier, and dredging at Racine Harbor, Wis. Further information on application.

U. S. ENGINEER OFFICE, BUFFALO, N. Y.—Sealed proposals will be received here until 11 a.m., November 6, 1922, and then opened, for construction of three 400-cu.yd. steel dump scows. Further information on application.

U. S. ENGINEER OFFICE, PROVIDENCE, R. I. Sealed proposals will be received here until 12 o'clock noon, Oct. 23, 1922, and then opened, for dredging in New Haven Harbor, Conn. Further information on application.

U. S. GOVERNMENT

COMMISSIONERS, D. C., Washington, October 9, 1922. Sealed proposals for furnishing and installing the following equipment in the new Eastern High School, Washington, D. C., will be received at Room 509, District Building, until 2 P.M., Oct. 24, Oct. 30, Nov. 13 and Nov. 21, 1922. Chemistry, physics, biology and general science laboratories equipment; pupils' desks, chairs, window shades, flags, lantern screens, paper-baler, typewriters, calculators, bookkeeping and changing machines, lanterns, maps, phonographs, pianos, safe, fire extinguishers, moving picture machine, motor generator set, pressure and vacuum pump, lawn mowers, equipment and supplies for sick room, art metal room, conservatory and janitor's rooms; specifications now available. Wood working shop equipment; cabinet work, miscellaneous class rooms, office and library furniture; furniture and equipment for domestic science, art and art metal departments; lockers; specifications available October 16, 1922. Gymnasium, laundry, lunch room and kitchen, and print shop equipment; specifications available October 30, 1922. Stage, auditorium, rifle range and miscellaneous equipment; specifications available November 8, 1922. A deposit of $10.00 required to insure the return of both plans and specifications and a deposit of $5.00 for specifications only. For detailed information apply at Room 427, District Building. CUNO H. RUDOLPH, JAMES F. OYSTER, CHARLES KELLER, Commissioners, D. C.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 29, 1922.—Sealed proposals will be opened in this office at 3 p.m., Oct. 27, 1922, for extension to workroom, mailing vestibule, etc., United States Post Office, Rochester, Minn. Drawings and specification may be obtained from the Custodian at the building, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

U. S. ENGINEER OFFICE, NASHVILLE, TENN.—Sealed proposals will be received here until 11 a.m., Oct. 23, 1922, and then opened, for 3 steel dump scows. Further information on application.

PROPOSAL FOR PIER REMOVAL, ETC.—U. S. Engineer Office, Room 1201, 537 South Dearborn Street, Chicago, Illinois. Sealed proposals for pier removal, dredging, etc., in Calumet Harbor, Illinois, will be received here until 10 a.m., October 24, 1922, and then opened. Further information on application.

U. S. ENGINEER OFFICE, BUFFALO, N. Y.—Sealed proposals will be received here until 11 a.m., October 30, 1922, and then opened for constructing stone-concrete superstructure on breakwater, Buffalo Harbor, N. Y. Further information on application.

U. S. ENGINEER OFFICE, PROVIDENCE, R. I. Sealed proposals will be received here until 12 o'clock, noon, Oct. 30, 1922, and then opened for maintenance dredging in Milford Harbor, Conn. Further information on application.

PROPOSALS FOR CONSTRUCTION.—Office of Constructing Quartermaster, Fitzsimons General Hospital, Fitzsimons, Colo. Sealed proposals will be received here until 10 A.M., Nov. 1, 1922, and then opened for Alterations and Additions to Professional Services Bldg., Women's Ward, Female Help Dormitory and the Construction of Bachelor Officers' Quarters, Nurses' Quarters, Heliotherapy Platforms and all necessary utilities. Plans and specifications can be obtained at this office upon deposit of $25.00.

PROPOSALS FOR CONCRETE CAISSON BREAKWATER. — U. S. Engineer Office, Room 1201, 537 South Dearborn Street, Chicago, Illinois.—Sealed proposals for constructing concrete caisson breakwater at Indiana Harbor, Indiana, will be received here until 10 a.m., November 6, 1922, and then opened. Further information on application.

SEARCHLIGHT SECTION

EMPLOYMENT—BUSINESS OPPORTUNITIES

Positions Wanted, 4 cents a word, minimum charge 75 cents an insertion.
Positions Vacant and all other classifications, 8 cents a word, minimum $2.

Box Numbers in care of any of our offices count as 5 words in addition to advertising copy.

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E. N. R.

POSITIONS VACANT

CARPENTER foreman, having had experience on reinforced concrete forms, also able to handle trim job if necessary, also ordinary construction. State age, experience and salary desired; location Middle West. P-86, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

CONSTRUCTION superintendent who has had experience on schools, banks and factory buildings. State age, experience, salary desired; location Middle West. P-85, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

DRAFTSMEN, thoroughly experienced in making and checking shop drawings for structural shop. Positions permanent to competent men. Apply, giving full information, Whitehead and Kales Company, 2361 Beecher Avenue, Detroit, Mich.

DRAFTSMAN on ornamental iron work. State age, salary and experience or application will not be considered. P-81, Eng. News-Record.

DRAFTSMEN, experienced, wanted for structural steel buildings; apply by mail only, giving age, nationality, education, experience and salary expected. Post & McCord, 101 Park Ave., New York.

DRAFTSMEN, experienced on bridge, structural or reinforced concrete, give details, experience, education and salary desired. P-111, Eng. News-Record.

ESTIMATOR, structural steel, a man familiar with taking off quantities and figuring costs for structural steel fabricating shop; must be rapid and accurate and thoroughly experienced in the business; ability to design desirable but not essential. P-102, Eng. News-Record.

EXPERIENCED graduate engineer on reinforced concrete design with bar company; position permanent; location Chicago; salary $175. P-104, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

EXPERIENCED structural steel draftsmen for New England plant wanted. Write, giving age, nationality, experience and salary expected. P-67, Eng. News-Record.

ORNAMENTAL iron draftsman, familiar with the designing and detailing of all kinds of ornamental and miscellaneous iron work for buildings. Apply by letter, stating experience, references and salary desired, to James McKinney & Son, 925 Broadway, Albany, N. Y.

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509 Real Estate Trust Bldg., Phila.
533 Leader-News Bldg., Cleveland.
1570 Old Colony Bldg., Chicago.
531 Rialto Bldg., San Francisco.

Important

Original letters of recommendation or other papers of value should not be enclosed to unknown correspondents — send copies.

POSITIONS VACANT

SALES engineer to handle reinforcing steel and allied products in the state of Connecticut; must be able to estimate; man now residing in Connecticut preferred. State age, experience and salary expected. P-95, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

POSITIONS VACANT

STRUCTURAL steel draftsmen, beginners and men for advanced positions wanted. Worden Allen Company, P. O. Box 1595, Milwaukee, Wisconsin.

SQUAD leaders and checkers wanted for office building; experienced men on fabricated shop drawings only. P-84, Eng. News-Record.

WANTED several good draftsmen familiar with cement plant work, also men experienced in steel and reinforced concrete design. Apply, stating experience and salary desired, Richard K. Meade & Co., 11 E. Fayette St., Baltimore, Md.

WANTED—Structural steel detailers for bridges and buildings; permanent positions. St. Louis Structural Steel Co., St. Louis, Mo.

WANTED detailers and checkers of structural steel for buildings. Apply Richmond Structural Steel Co., Richmond, Va.

WANTED—Good structural detailers and checkers accustomed to light building and transmission tower work. Address Bancroft-Jones Corporation, 11 Hubbard Street, Buffalo, N. Y.

EMPLOYMENT AGENCIES

NOTICE, state road contractors: Fifty or more Italian laborers, all with long experience on state road work. They are willing to go to work in the South for the winter time; pay their own fares. For further information write to Dominick Labor Agency, Syracuse, N. Y.

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